SEQUENCE LISTING

<110> ENDEGE, WILSON O., ET AL.

<120> NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS: II

<130> CCDNA-260XX

<150> 09/328,111
<151> 1999-06-08

<150> 60/117,393
<151> 1999-01-27

<150> 60/098,639
<151> 1998-08-31

<160> 544

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 618
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(618)
<223> n = A,T,C or G

<400> 1

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gattctccat catgttggcc aggctggtct caaattcctg aggtgatctg cccacctctg 120
cctgccaaag tgctgggatt acaggtgttg agcgatagtg ctcggcctat tatttctttt 180
taaatctttg gtagaattaa tcactgaaac tatntgtgct ttttttgnng gaaaaattat 240
ttattttaaa gacagggtct tgntctgttg cctgtgctgg antgcagtgg tgcaatctca 300
gtttactgca accttgtgcc aacctactgn caagtgatcc tactgnctca cctccnagta 360
ncttggatta caggcacgcg ccaccatgcc cngntaggtn ttgnattttt aggagaaacn 420
gggtttcatn atattggnca gcnnggcttg agcttctgaa ctcaantgat ccnccncctc 480
ggcctnccaa acactgggat tacaggcgtg agccctcccc tgntgatacg nagnggtttt 540
aanaagattn tcttcaantt ngtttaaaaa ttctaatttn ngaccatttt tnctgcccgc 600
ggcgnnaaag gcnaatcn 618

<210> 2
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(640)
<223> n = A,T,C or G

<400> 2
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gcagtggcat gatcatggct cactgcagcc tcaacctcct aggctcaagt gattctctca 120
cctcctcctc ttgagtagat gggacttaca ggcgcatgcc accacatgca gataattttt 180
gtatttttg tanaaacagg gttttgccat gttacccaaa ctggtcccaa gctcctgggc 240
tcaagagatc tgcctgcccc aacctcccaa agtgctggga attacaggca ttgagccacc 300
acacccagcc tgattgtttc ttctcataac tcaactctac tgntgatcct ctttaatgaa 360
ttttantttc aagtcattct acttttccac tccaaaattt tgatttgggt cttttaaata 420
aattttattt attggaattc tttatttggg gagaaggtat catatattcc tttanttctt 480
ttggcgngct ttcttttaac tctttgatat ttataatagc tgntttgaaa gctttttntg 540
gtaagtccaa cattngggnc ctcaangctt ttttaatgct gctttttttc ccctattatg 600
gnaaacttcc agttatttta tgctaataag gttcggaaaa 640

<210> 3
<211> 635
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(635)
<223> n = A,T,C or G

<400> 3
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tgtttcagtg ctaggcaagg atgatcaatt ttagtttgca tatgaagact caaagggaga 120
tgattaaaag cacgtaactc tttgactcac ccctagaagg tctttgatga ggcccagcaa 180
tctggaaaat tatgatataa tattacacaa tgattattta acaatatttt agaagtaact 240
gccatttggg ggtcacagaa caatactaat ctcaattatg ttacccatca acaaattgaa 300
tataattaaa ttattttcaa aatatatggg ttgagattat tttccaatta aaattgccag 360
gtgaggaaca gcacttttcc attcgctgct gaatgtgatg aaatactgga tagtcataga 420
gggtctaccc agatgtccct ttgggagaag tgttgtgggg gaaaatgggc tggttgtgtg 480
cacccaaact acccttttaag aacttggtgc tggagccatt aaaaataatt gngctggtct 540
tataaatatg aaaaactttg ggaaatcctt gtgacatcga tgcanttggg ttgggaagtt 600
cctgataaaa atatctaaaa atacacccat tgaaa 635

<210> 4
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 4
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taactaagaa gtttctacac aacaaaagaa ataatcaaca gagtaaacag ataatttcca 120
gaacggaaga aaatatgtgc aaactattca tccagcagtg gacaaatacc cagtatatac 180

aagaaactca aacaacaaca ataaaagaca aatcatcccc ttaaaaggag ggcaaaagac 240
aagaacagac atttttcaaa agaagatata caaatgacta acaggtatat taaaaatgca 300
caacatcact aatcatcaga gaaatgcaaa ttaaaaccac aatgagatat catcttaccc 360
cagtcaaaat ggctactatt aaagagtcaa aaaataatag atcttggcca ggacatggat 420
aaaagagaac tcttacatac tggtggtagg aatgcaaatt aacacagcct ctatagaaaa 480
cagtatngag attgctcaag aactaaaaat agagctatca tttgcccanc atnccctgnt 540
gggttctacc caangaaaag aaatcatggt caaaaaaaaa aaaaaaaaaa aaagtncttg 600
gcgggaccct aaggggattc acccctn 627

<210> 5
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 5
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agccaggtgt ggtggcatgt gcctgtagtc ccagctactc aggaggatga ggcaggggaa 120
tcacttaaac ctgggaggcg gagattgcag tgagccaaga tcgcgctatt gcactctagc 180
ctgggtgaca gagcaagact ccgtctcaaa aaataataat aataaaatga aaataatcag 240
ctgggtgtgg tggcatgtgc ctgtagtccc agctactcag gaggatgagg caggggaatc 300
acttaaacct gggaggcgga gattgcagtg agccaagatc gcgctattgc actccagcct 360
gatgacagac ctagactccg tctccaaaaa aaaaaaanaa aaaaaaaaag t 411

<210> 6
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 6
accaagtcac cagacacaag taaatatggg ccttggggct tcttttcttg ctgacgcata 60
ttcacacagg cagcgtgtgc tgtgtgtgtt tacaactgtg tttcttagtc ttctattcag 120
agtaataaca gcatgacttc cctaagatct gattcagaga attgaaatat gccctgagaa 180
aacataagag gtttttctgg agaagtgtcc caagggtaat attaattgtt caaggatgtt 240
tcggaaaaag ttgcaatcat cactgtggca aatgaatcta gggagaggaa gcatgagtta 300
tttaatgtca gttactcctt tccgtaggtt tttgcctttt tttggacttt acacacagcc 360
catttgctat gaaactatca gctcaaatag cangctttca ngcaggccaa caatggcaga 420
ctgcattctt nctacttttnt ccaatcatat ttatcaagtc ccattgggag aatactttca 480
gtagngctca aantacccgc ntncaattgg aactgcangg aaccnttcag aaataacnct 540
tnaagaaaga aataaccctt canggaanac cctttnggnt tcactctann tggggttnac 600
aagaaa 606

<210> 7
<211> 620

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 7
ccgtggcccc ggccgaaggt ccnctgganc cccgggtggt aattggctgg aggtaaatgg 60
tggtaangta ttaaccattt ctatggaaat gnccctttgg ggccctcctg gattttaaaa 120
tggtcccctg gtttggacnt ttctattaaa gaaatggnca ttttacctaa aatgccnggt 180
ctaccttatt aaagancaaa tngnntattn gaccttaaaa taggcatttt tcctaatcat 240
aatctggccg gcttaacccc aatcaagata attgggtgcc cnttatgaat ttgaagttag 300
tgatagcctc cttgtaaggt gctaccctna tggggataga gaccccagct actantaatt 360
ngggaaaatg gttaaggtat ttgggaaaag tactctttta aaaacatatt ggccacagaa 420
ancctaggct gaattacnng gattgataat tttgnaanta atttcntana atgggcnngc 480
tggatgaaaa aatggcctcc tcnttttccc tggaaccagc ngctttttgc ctaaacntta 540
nccttttaa gttgaaccta gggaccacct aatnggcntc acaattccct ttttcctttc 600
ctttttttt gcccaagggn 620

<210> 8
<211> 263
<212> DNA
<213> Homo sapiens

<400> 8
gcgtgggtcg cggccgaggt accacttttc ttattgcaac tcaacaagtg gcaattggtg 60
atgaaaagtc aagtggggaa cccagtctgt ggggaacaaa tggaataact tacctgtcac 120
cttgtctaac cgggatgcaa atcctcaagt ggtattaaaa agcatacagt gttttataac 180
tgtagttgtg tggaaagtaa ctggtctcca agaacagaaa ttactcagcg cacttgggtg 240
aatgcccaag aaataatact tgt 263

<210> 9
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 9
acaacagggt tcttgcatca agcttcatgc tttcccagac atttactcaa gggaacgtgg 60
gagagggagg aggaggaggg gagctgggag tgataagcag atgttacaca tgtttttcct 120
ggaaagatca ccccactttt tctaatttcc cagaattaaa agaatgtatt ttatctgtat 180
taccatggaa attactagta acactggatt ttttttccctc ttttctaaag tttccaaaaa 240
ctttcaaaag tgttcaaaga aatttttcttg aacaatttta atatgtttga tttctcattt 300
ggggctggaa tatttgtatt ctttttaatt ttttttacttc atttattaga agaagtttct 360
aatatgtgta ggaatacaat tttaaatgta agattatata gatgtagata tagatagata 420
gatatatgta gatatatnga tttatgtcnc aatatcactn taaggcattc ttcttccatc 480
cttttatatc tncccaaact ggtntnatgg gacctgtcct gcctgtaggt aaaanccttn 540

taatttccct gaaaggctac cnctttctan ggggncaacc aattgggagn 590

<210> 10
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 10
cgaggtacgt ttttcaatgt tttaaaaaat tgaaagggag tataatgttt cataacacat 60
gggaaattat gtgcagctca aatttcaagt atccataaat aaagttttat tggaacacag 120
ctacgctcac tcattagata ttgtctatgg ctgtttttgt gcaaaatggc aganttgggt 180
tcagagttag caacagagag cttgtagcct gcaagcctag agtatttact atctggattt 240
ctacagaaaa aaaaaattat tgccccctgc catacagtct gactgatagc ctgagaaagt 300
atgcattaaa agaaagttac ctaccctgac cccatgagaa tgaatttgaa aagaaccnag 360
atgtggtaga agcagatagg ctatgaaagt ttcagaaggg tancatcact gtgggcnagg 420
atattcaaga aaagacttca nggaaaatgt nggggtttga actggncttg agtaggagtt 480
naacttangg gaactggntt taggtngcca ctttaaggct gtcaaanatc atggcccaac 540
attcantttg gcccaaattc cccangngcc ttaaaaattt ggacatggct tgggttgggg 600
gncaccctt 609

<210> 11
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 11
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agacttttct gaggttgggc gcagtggctc acgcctgtaa tcccaacact ttggaaggcc 120
agtaggggcg gatcacctga ggtcaggaga ttcgagacca tcctggctaa cacggtgaaa 180
ccccatctct actaaaaaaa atacgaaaaa aattagccag gcgtggtgac gggtgcctgt 240
agtcccagct actagggagg ctgaggcagg agaatggtgt gaacccggga ggcagagctt 300
gcagtgagcc gagatcaggc cactgcactc cagcctgggc cacaagagcg agactctgtc 360
ttaaaaaaaa caaacaaaca aacacacaca cacacacaan aagacaaaaa taattagcag 420
ggaatgctgg tgcatgcctg tatcccaact ctcaggaggt tgaagcagga gaatcacctt 480
gacccatnag caatgttcat gaacttagnc cngccntgga cttcancaag gcaccgagta 540
aganttcntt tnaaaaaaaa aannnaaaaa aaagtcct 578

<210> 12
<211> 581
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

<400> 12
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ggagtgcagt ggcgccatct tggctcacta caagctccgc ctcccgggtt cacaccattc 120
tcctgtctta gcctcccagc gcccgccacc gcacccggct aatttttgt atttttagta 180
gagacagggt ttcaccatgt tagccaggat ggtctcgatc tcctgacctc gtggcccacc 240
tgccttggcc tccaaaagtg ctggaattac agtcgtgagc caccacgccc ggcctaaacc 300
atttctcttg acaacactct ggattttatt tctggccaga taccatttat caattttacc 360
atcaagaata agataatcaa aataataatc aagttttata ttagacttat gaagattctt 420
gcacctttga aattacagct atctcactag ttnattctcc tctctcatat tttattacng 480
acntccagga agacaaccaa caccttaaa agttggctga gcatttttta nggagaccct 540
taggtaanag ggncctnggc gggaacccct taggggnaat n 581

<210> 13
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 13
ggtactggaa caactataag acccctgttc agattaagga atttggtgca gtttcaaaag 60
tagacttttc tcctcagcct ccatataatt atgctgtcac agcttcctca agaattcaca 120
tttatggccg atactcccaa gaacctataa aaacctttc tcgatttaaa gacacagcat 180
actgtgctac ttttcgacaa gatggtagat tgcttgtggc tggcagtgaa gatggtggag 240
ttcaactttt tgatataagt gggagggctc ccctcaggca gtttgaaggc catacaaaag 300
cagttcatac agtagatttt acagctgaca aatatcacgt ggtctctggg gctgatgatt 360
atacagttaa attatgggat attccaaact ccaaagaaat ttttgacatt taaaggaaca 420
ctctgattat gtgangtgtg gatgtgctag caaactttaa tccggatctc tttataacca 480
gggacatatg atcatactgn gaagatgttg gatgcncgaa ccnattgaaa agtggtcttt 540
ccgttgagca tggccnncag tngaaantgn cctacttttc cccttggaag gctttggggt 600
annangg 607

<210> 14
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

<400> 14
ggtactttca aaatataaca attttcgttc tcccatataa caggggggcta acaagaaaac 60
caaaaataaa taaaaagaga aaatttaaaa ataagtaaaa aataaaaaaa tatttttaaa 120
aagcagcctg ggcaagagaa gtgggtgggt ttaggagaat ccctttcgaa aaattcagag 180

cattattatt aatcgttctt aaattaaatg cagggccaag catgctgcac gtggaatctg 240
gacaattttt tgataaactt taaggctgct aaataattta cagaaactgt gaatgcattt 300
tcattttacg aggcaaaaga gaaaatattc aagattgcat agcaatttta ttttttgaaa 360
tggttatcct aaagaatttc cttaaattca gattttgcaa aattcctact ctncaagtca 420
tcaagtgaac actaaaagca actttctcgt gaatcagtgg acttttacga ggcatgcatt 480
tttcataaat ctaggccaag tgacctaatt gngattaaat cttaatcatc ctgngattct 540
ggctattaan atgggtttaa ancngtaaaa atnctttnaa aaagccgtta cttnccgan 599

<210> 15
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 15
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aacaagtaag gcaatgttgc ttaaaggaag acaaacaaac ataaaagatt ccgttgacaa 120
tgcatttttt catntgttcg gcacaatgct tttgtcataa tggagatgtg acagcaaact 180
ttccaggaca ttcagtcttc ggnggcagca cttagggcan atgactggcc gctcaaattc 240
tctatnttgt ttcaggacag tggaaaagct tatanatgag gccaaagcac caggtaggtg 300
gaaggttctt gtatcggttc gaaccccgac agcgcgccaa cagacaacac naggcagtgg 360
ggagcaacat gctgttttaa tgancgcctg ggtgcangcg tgctgaggct gaaaatggca 420
taacccccgc gtcctgccng gcgggcgttc aaanggn 457

<210> 16
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(643)
<223> n = A,T,C or G

<400> 16
ggtacaatct agctgaaatc atatacaagt aagtaggtgt ggacttttac tgctgagcta 60
aagtttatgt ttatatatgt tttattcttt aagctaaaca aacattcaga taacattcta 120
tgcatttttt gaagcatagg gttagtaatg aggacttaga ttttttaatt aaacaattca 180
gtaactatat aaaaagaaaa ggagtccctt atgaataaat attaaaatta aaagaaatag 240
gcaactataa aagtaagtat ttttaataat ggcattgatt ttagtaagaa atcaattagg 300
ctgggctgga aagaaaaact ggcttaatat aaagtagttt taatatggca aatattcttc 360
ttaaaattgn ggccctggaa tatcatttct gcctattgct gatgctaagg natcaactgn 420
gccaagtatt gggctgntcc acaggtggga angagtagca acattttgng gatttttttt 480
ttttttaaa accggagaat acccggccag gggntcaagn ctgnatccac antttgggag 540
nttagccgga naanccttgg anccggagna aaggttnaan gagncaaaat gngccatggn 600
ttccanctgg ggacccgggg gnaactcttt taaaccnaaa aat 643

<210> 17
<211> 336

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

<400> 17
ggtactttga taaatgtaga aagattattt aattctggct tggtaccgtg gctcatgcct 60
ataatcccag cacttcagga ggctgaggtg ggtggatcac ttgagctcag gagtttgaga 120
ccaggcgaaa ccctgtctcc acaaaaaatg caaaaattgc tggacatggt ggcacatgcc 180
tgtagtccca gctacttgga aggctgaggc aggaggatag cttgagccca ggaggtcaag 240
gttgcagtga gccgagattg tgccactgca ctccagcctg ggcaacagag caagaccctg 300
cctcaaattt aaaaaaaaaa aannaaaaaa aaaagt 336

<210> 18
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 18
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cctgtatttg ctgccatgct cttccttttc tccatggcta cactgttgag gaccagtttc 120
agtgaccctg gagtgattcc tcgggcgcta ccagatgaag cagctttcat agaaatggag 180
atagaagcta ccaatggtgc ggtgccccag ggccagcgac caccgcctcg tatcaagaat 240
ttccagataa acaaccagat tgtgaaactg aaatactgtt acacatgcaa gatcttccgg 300
cctcccgggc ctccattgca gcatctgtga caactgtgtg gagcgcttcg accatcactg 360
cccctgggta gggaaatgtg ttggaaaaga ggaactaccg ntacttctac ctcttcatcc 420
tttctctttt ccctccttac aaactaaggc tttngctttc aacatcgcta tgtgggccct 480
aaaatctttg aaaattggct ttttggaana cattgaaaga aactcctgga aactggtcta 540
gaaagnccta attgcttctt tacactttgg nccnncnggg actgatggga tttcanactt 600
tcttgggact ttna 614

<210> 19
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 19
actttttttt ttttttttt ttttttttgg gatggagtct cactntgttg ccaaggctgg 60
agtgcagtgg cataatttcg gctcacttca acctctgcct cccgggttca agcaattctg 120
cgtcagcctc cggaggagct aggactacag gcatgcacca ccatgcccaa ctaatttttg 180

natttttagt agagatggag tttcaccata ttgaccaggc taggctggtc ttgaactcct 240
agcctnaggt gatctgccca cctnagcccc ccaaagtacc tcggccgtga ccacgc 296

<210> 20
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G

<400> 20
accaattata atgcattatt atgaaatatt taaaatgggg aatccaagat gacatagttt 60
ttaactcatc cacatactgg aagtttagag aaactcagaa tttcttattt ctttttcttt 120
ttcctccata gcataaaagc tttgctaata agaataaata tatatattgg agttttagtg 180
tttgatcctg tgatcagttg taaccatgtg tcataaaact ctctcacaga ttccatcttt 240
cccaaatctt ctgatcataa cacagattgc catatagact tcccttgtaa ggagaatatg 300
ctggccataa ggcaagcana agtgaacttg cagtttcact tcttggaaat taatgcattt 360
gcattgactt ctataannta atctctcctg aatttttttg cttagtcaac ttactgtgtg 420
caaagncaac agnaaattgt ctttggttna acttttaaca ggncaattta taaattggtt 480
tgaagaagcn tcccnaaatt ttttattgaa ggctgaattc aagcctccnt taaaatggnc 540
atngnataan gggaatttat tgtng 565

<210> 21
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 21
ggtactggaa caactataag acccctgttc agattaagga atttggcgca gtttcaaaag 60
tagacttttc tcctcagcct ccatataatt atgctgtcac agcttcctca agaattcaca 120
tttatggccg atactcccaa gaacctataa aaacctttтc tcgatttaaa gacacagcat 180
actgtgctac ttttcgacaa gatggtagat tgcttgtggc tggcagtgaa gatggtggag 240
ttcaactttt tgatataagt gggagggctc ccctcaggca gtttgaaggc catcaaaagc 300
agttcataca gtagatttta cagctgacaa atatcacgtg gtctctgggg ctgatgatta 360
tacnagttaa atttatgggg atattncaaa cttccaaaga aaattttgnc catttaaaag 420
aacactctng antatggnga aggtgnggnt tgtgcctaac caaacttaat tccgggatct 480
tttttatnta ccnggattcn tttggatctt ncnggtaaaa aanggttgga tnccccnaac 540
nnattgaaaa nngttctntc cnnttgacct nggccanccn ng 582

<210> 22
<211> 349
<212> DNA
<213> Homo sapiens

<400> 22

actttttttt ttttttttt tttttgaga tggagtcttg ctcttgttgc ccaggctgga 60
gcaacctccg cctcctgggt tcaagtgatt ctcctgcctc aacctcccga gtagctggga 120
ttacaggtgc ccgccaccat gccgagctaa tttttgtatc cctagtaaag acggagtttt 180
gccatgttgg ccaggctggt ctcgaactcc taacttcatg atctgctcac catggcctcc 240
caaagtgctg ggattacagg cgtgagccac tgtgcccaac cctcttttcc tttttcaaat 300
gtcaatggaa agttgattgg aaaggacaat ttggctacct tttggtacc 349

<210> 23
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G

<400> 23
acctgttctt ggagccaatg tgactgcttt cattgaatca cagaatggac atacagaagt 60
tttggaactt ttggataatg gtgcaggcgc tgattctttc aagaatgatg gagtctactc 120
caggtatttt acagcatata cagaaaatgg cagatatagc ttaaaagttc gggctcatgg 180
aggagcaaac actgccaggc taaaattacg gcctccactg aatagagccg cgtacatacc 240
aggctgggta gtgaacgggg aaattgaagc aaacccgcca agacctgaaa ttgatgagga 300
tactcagacc accttggagg atttcagccg aacagcatcc ggaggtgcat ttgtggtatc 360
acaagtccca agccttcctt gcctgaccaa tacccaccaa gtcaaatcac agaccttgat 420
gccacagttc attaggataa gattattctt acatggacag caccaggaga taatttgat 480
gttggaaaag ttcaacgtta tatcataaga ataatgccag tattcttgac taagagacag 540
ttttgatgat ctcttaagta aatactctga ntgccn 576

<210> 24
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 24
acttaaaata aagttaacaa ttacaacaga cccaatcaca gacaatacca gcgtagaaat 60
attaactcca gaattatgac ttttatcagg agtaggagta ggagtaggag taggtgtagg 120
atcaatgtca tcaggatttg cttgagggat aaacaaagtt acttgtgcaa tgttggatac 180
ttttgatgtc aaattgcttt tatctatact tttaatggca ataaatatgt gggttgcatt 240
ttcttctgag atattttctg gtttaaatgc aaagctttcc ttggagttgg cctcctttgg 300
tgacagatca gtagtattta cttgaagagc atcatcaaaa ctgtctctta gatcaagaat 360
acttgcactt attcttatga tataacgttg aacttttcca acatcaaaat tatctcctgg 420
tgctgtccat gtaagaataa tcttatcctc atgaactgtg gcatcaaggt ctgtgatttg 480
acttggtggg tattggtcag caagggaagg cttgggactt gtgatccaca aatgccctcc 540
ggatgctgtc ggctgaaatc ctccangtgg ctgagtatcc tcatcaattc aggtcttggc 600
nggttgcttc aattnccc 618

<210> 25

<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 25
acataccacg ctgggtagtg aacggggaaa ttgaagcaaa cccgccaaga cctgaaattg 60
atgaggatac tcagaccacc ttggaggatt tcagccgaac agcatccgga ggtgcatttg 120
tggtntcaca agtcccaagc cttcccttgc ctgaccaata cccaccaagt caaatcacag 180
accttgatgc cacagntcat gaggataana ttattcttac atggacagca ccaggagata 240
attttgatgt tggaaaagtt caacgntata tcataagaat aagtgcaagt attcttgatc 300
taagagacag ttntgatgat gctcttcaag taaatactac tgatctgtca ccaaaggagg 360
ccaactccaa ngaaagcttt gcntttaaac cagaaaatat ctcagaagaa aatgcaaccc 420
acatatttat tgccnttnaa agtatagata nagcaatttg acatcnaagt ntccacattg 480
nacaagtnac tttggttatc cctcagcaaa tctgatgaca ttggatctac tctactctac 540
ttctanttct gaaaaaggat aatccggngt aaattttccc tggattgctg ggatg 595

<210> 26
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 26
actttttttt ttttttttt ttttttctga gcatattata tctaattttt gaaggttgta 60
ttttctccct tgttttaatt ttctgcanat actttttttct tttttacttt ccccaattag 120
tttgtttctg actttcttcc tcaatctctc ctgaaccatt gtttnttttt aagatcagag 180
cagattctta ggaactttta aaactgtatg tgggtgggat tgtcacctan agtgcttttt 240
tggagagtaa ttggatggng tgataattaa ttttatgtgt caatttgaca gggtcttggg 300
gtgtccagtt atttggttaa acattatttc tgggtgtgcc taaaagggtg tcccgcgtac 360
c 361

<210> 27
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 27
acctgttctt ggagccaatg tgactgcttt cattgaatca cagaatggga catacagaag 60
ttttggaact tttggataat ggtgcaggcg ctgattcttt caagaatgat ggagtctact 120

ccaggtattt tacagcatat acagaaaatg gcagatatag cttaaaagtt cgggctcatg 180
gaggagcaaa cactgccagg ctaaaattac ggcctccact gaatagagcc gcgtacatac 240
caagctgggt agtgaacggg gaaattgaag caaacccgcc aagacctgaa attgatgagg 300
atactcagac caccttggag gatttcagcc gaacagcatc ccgaggtgca tttgtggtat 360
cacaaagtcc caaacctttc cttgcctgac caatacccac caagtcaaat cacagacctt 420
gatgccacaa gtcattagga taaaatattc ttacatggan gcccangaaa taattttgat 480
gttngnaaag ntcaccgtnt ntataanaat aaggccagtt ttttgactaa aaaaagtttg 540
aagagctttc aagaaancta tgatttgncc caaggggccc tccaggaagn ttgttttacc 600
caaaattttn a 611

<210> 28
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 28
cgtgcccaaa gcttggcaag ttttcggctt taaccacgca caccaccacc accaccatnc 60
taaataactt actgcatcct caaagcctgt tttatgggga ttgcatggtt ttatttgaaa 120
tcacgcctgt aatcccanca ctttgggagg ccaaggcagg cagatcacaa ggtcaggaga 180
tcgagaccaa tctggctaca cggtgaaacc ctgtctctat taaaaaaaat acaaaacaat 240
tagccaggca tggtggcagg cgcctgtagt cccanctact cgggaggctg angcaagana 300
atggcgtgaa acttggaggc ggagcttgca atgagccgag atcgcacttg ctgcacttna 360
acctgggcaa caaaacgaga cttcatntct nttttnnaaa nnnaannnnn nnnnnnnnng 420
tcctttggcc cgaccacnct tan 443

<210> 29
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 29
ggtacttttt ttttttttt ttttttttg gagtgcatat catcacccca acttcggttt 60
tttacatttt aatttgtatt gnttttaatt tattttgagg caatgtctca ctatgttgcc 120
caggctggtc tcaaatgaaa acaatgctat caatcacatt cttgcatagg atatgtgtca 180
gtaatcctcc aaaatgaaca tganaaatgg aattgtcaag tcatagatta agtgcatata 240
acttttgaat agatagtata aatttttttcc ccaaatgaga attttatatt ctcactggca 300
acatgaaaat agccatctct ctataatctt atcaaccctc gatagtgtca ttttttaatt 360
tataattatg agtgaaaatg gtcctgcccn ggcgggcgct cga 403

<210> 30
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G

<400> 30
ggtacagtgg tagcatccaa atgggcaaac gtagtagcag gggcagggtc agtcaagtca 60
tcagcaggca catagatagc ctgtactttg taatattctt cccacccttg agaatggact 120
ttgtaagatc cgccccctgc ccacaaaaaa atttctccta actccactgc ctatcccaaa 180
cctataagaa ctaatgataa tcccaccacc ctttgctgac tctcttttca aactcagcct 240
gcctgcgccc aggtgattaa aaagctttat tgctcaccca aagcctgttt ggtggtctct 300
tcacacagac gcgcgtgaca gaaaccactt gaagcccggg cgcggtggct caggcctgta 360
atcccagcac tttgggaggc tgaggtgggt ggattacctg aggtcangag ttcgagacca 420
gcctgaccaa catggtaaaa ccctgtctct actaaaaatc aaaaaaanta accnnggggtg 480
gtggnnggca cctgtaattc agttcttggg accttangca ngaaaatcct tgaacttgga 540
ggcggaggtg catanttgaa acaaaccttg nctcaacctg gnaacaaaat aaaaatccgn 600
tnaaaaaana aaaaa 615

<210> 31
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

<400> 31
acgcggggat aagctacaac ataaacacat ctaggttctt gttcttagaa tacagcatga 60
agaatttgct ttcttctttc ttcctaacat tttcatgtga gatccagaaa ggacacattg 120
tctctggcca ttcgaagaaa gaaagaaaga aagaaaaaaa aggtatttag agacagagag 180
agaaaaaggc tgaaatgggt tcgctgggtt ctaaaaatcc gcaaaccaaa caagcccaag 240
ttcttctttt gggacttgac tcagctggga agtctactct cctttataaa ttaaagcttg 300
ctaaggatat taccaccatc cctacaatag gtttcaatgt ggaaatgatc gagttggaaa 360
ggaatctttc actcacagtc tgggatgttg gaggacagga aaaaatgaga actgtttggg 420
gctgttctgt gagaacccna tnggctngtg tatgtgtgga cagtccttcg gcccgaaccc 480
cttan 485

<210> 32
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 32
cgaggtacgc gggtgtctag accttatgtc aaaataagcc caattgtatt aaagagtatt 60
aaattgtatt aagaataaaa acacatggcc gggcacggtg gctcacgcct gtaatcccag 120

cactttggga ggacgagatg ggcggattac aaggtcagga gattgagacc atcctggcta 180
acatggtgaa accccgtctc tactaaaaat acaaaaaaaa aattgtccag ccgtggtggc 240
aggtgcctct agtcccacta ctccagagct gaggcaggag aatgatgtga acccgggagg 300
canagcttgn agtgagccng agatctcgcc actgcactcc ggcctaggcg acagagcgag 360
actctgtctc anaaaaaaat aatgantaaa aaaanaagtc ctgcccggcc ggcgntcnaa 420
nggcgaattt cancacatgg cngcngttac tatggatccn actcggtcca anctggcgta 480
atcatggcat agnttttnct gtggnaaatg gtatccgtnc aantcnccna attcaaccgg 540
agcttaannn ntaacctggg gcnatnnnnn nctacttcat tattgcntnc ntatggcgct 600
tncattggaa ctnttgcnct gnntatnatc gcccnccngg aaagnnttnn ntgggncctt 660
ctctgttann atctnnggct tngttgggag gntnctntna gnggntngtt tnatnggtcc 720
ngnaaatttc agcctangnc antnagcctn ttgnttaatc tccnactnna aaaaataang 780

<210> 33
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 33
acataccagg ctgggtagtg aacggggaaa ttgaagcaaa cccgccaaga cctgaaattg 60
atgaggatac tcagaccacc ttggaggatt tcagccgaac agcatccgga ggtgcatttg 120
tggtatcaca agtcccaagc cttcccttgc ctgaccaata cccaccaagt caaatcacag 180
accttgatgc cacagttcat gaggataaga ttattcttac atggacagca ccaggagata 240
attttgatgt tggaaaagtt caacgttata tcataagaat aagtgcaagt attcttgatc 300
taagagacag ttttgatgat gctcttcaag taaatctact gatctgcacc aaaggaggcc 360
aacttcaagg aaagctttgc atttaaccan aaaatattta taagaaaatg cacccacata 420
ttataccatt aaaagttnga taaaacantt tgcctcaaaa gtttccacca tggacaagta 480
acttggttat cctnagcaat cttgtgcctt gattactcnn ctctattcta tcctgtnaaa 540
gcntaatctg agtaaaattt nccctggntt gtggattggc tngtnatgta atttnttaag 600
nctggcngac cnctaggnaa tnnccttggg cgttangncc gtngccantt gtattngtaa 660
tttctngaat gtnntcnncn nnntaccngt aagnatgggn tnggnnatnn atnttttncn 720
tnttnatnnn cntnnannnn tg 742

<210> 34
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 34
ggtcaaatga ggaataatga ggaaacaaaa ccatacatac aagagggatg gcacagacct 60
tgtgacaaag tggtcctgaa atttctggag gggaaatgaa taagaataac cgagatagtt 120
atgcttggag gaagaggaag atcaaggtgt cctaacctac cagaaactaa gacttatgaa 180
accttagtca ttaaaatatg tagtattagt tcagaaatag taaataaatc aatgtaactg 240
aatggaacct gggaacaaat atagctacat gtaagatctg ggtatatgct ggaggtgaca 300

taacaaatga agagaaacaa tggactattc aaagctgtgt tgctatcttt attggcaaca 360
aatatgggaa aaaatnaaat gagatcctat tcacatgaat gacaaaaata aatgccatat 420
tgattaaacc taaatatgac aaggaaggcc tcaaatttta gaaaaaaatg ccaaattnta 480
cncattggga gataattcat taacaagacc aanaaccnta aggaaagatg ntaatttnga 540
tatattaaga tttactatgt ttataaatca aggatagtcc cgcttaagan actttctttt 600
atttttaatt aatattatta atatttgana cttgcttgnt tnggtgaacc ggtaatttgg 660
tattnacctt ctccggttan gattnnctaa nccntgtgnt nngttgnncc ncncnatttt 720
tntacagttn ttgcgcgnta ttncnggnng cccccnnngn ngg 763

<210> 35
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)
<223> n = A,T,C or G

<400> 35
acaggggaat ggaatggaat ggaatgcaat ggaatggaat catccgtaat ggaattgaaa 60
ggaatggaat ggaatggaat ggaatggaat ggaatggaat ggaatcaact cgattgcaat 120
cgaatggaat ggaattgaac taacccgaat agaatcgaat ggaatggaat ggaacggaac 180
ggaatggaat ggaatggaat ggaatggaat ggaatggaat ggaacggaac ggaatggaat 240
ggaatggaat ggaatggaat ggaatcaacg cgagtgcagg ggaatggaat ggaatggaat 300
gcaatggaat ggaatcttcc ggaatggaat ggaatggaat ggaatggaat ggaatgaaat 360
gcaatggatt caactcgatt gcaatggaat ggaatanaat ggaatggaat ggaatggagt 420
ggaataattc naatagaatg gaatggaatg gaatggaacg gaatggaccg gatggaacca 480
attgtaatgg aatggaattg atggaatgga atggaatcac cctagtcaan ggaatgtatg 540
gaccggattc aatgaatgga tattccgnat ggatggatgg gaatgaattg atgattggat 600
ggatggatca ccatccatga agattgatga tggatgatgc cacccatgat gattatgnat 660
tagngtnata tctncatnna ggatgntncn attatgngnt gatgacatga ntanncennc 720
nctttnancn tatttttttg ggnccccctc ccagttgntt taaannn 767

<210> 36
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 36
acatatagtc aacgaaatat tcaaagaata actttatata ctcttgttct ttaaattcta 60
tcctctcttt cagaattctt ccatttaagt ttgggtattt tcctagtttc aacagatgaa 120
cagaagactt cattgaacat tttgacagta agctactaga gaccaattat caactggtgc 180
tacacatgct gtgttatctc ccttactatt aaactataac cctctcttgc tattttgttt 240
catgcatcac caaccaaact tcatttttc taataaaaaa taaatatata aagaagacac 300
tgacaggcat atattcacaa gatctcaact tcttaaaaca taagtatggg tatatttatt 360
tctctcaaat gcatacnaga caataattac ncagcaacca atcttttgtt caacaatgat 420
ttgantcata agcatttgga aattacataa tttcatatca atanccctgt tttttnaata 480

cagaagtaaa aaancccca taaccaatct taaatttcna ttatcccctt acctccaacc 540
tttnaaaggt cccaccgggc cttttccnac attaatttgg tnaaactggg gttnaaaacc 600
gcctnccn 608

<210> 37
<211> 245
<212> DNA
<213> Homo sapiens

<400> 37
acagacatgg cggcggcttt tcggaaggcg gctaagtccc ggcagcggga acacagagag 60
cgaagccagc ctggctttcg aaaacatctg ggcctgctgg agaaaaagaa agattacaaa 120
cttcgtgcag atgactaccg taaaaaacaa gaatacctca aagctcttcg gaagaaggct 180
cttgaaaaaa atccagatga attctactac aaaatgactc gggttaaact ccaggatgga 240
gtacc 245

<210> 38
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 38
actacactga attcaccccc actgaaaaag atgagtatgc ctgccgtgtg aaccatgtga 60
ctttgtcaca gcccaagata gttaagtggg atcgagacat gtaagcagca tcatggaggt 120
ttgaagatgc cgcatttgga ttggatgaat tccaaattct gcttgcttgc tttttaatat 180
tgatatgctt atacacttac actttatgca caaaatgtag ggttataata atgttaacat 240
ggacatgatc ttctttataa ttctactttg agtgctgtct ccatgtttga tgtatctgag 300
caggttgctc cacaggtagc tctaggaggg ctggcaactt anaggtgggg agcagagaat 360
tctcttatcc aacatcaaca tcttggtcag atttgaactc ttcaatctct ttgcactcaa 420
agcttgttna gatagtttaa gccgtgcata aattnacttc caaatttaca tactctgctt 480
anaaatttgg ggggaaaaat taaaaaatnt aattggccag gatnttggna atttgttata 540
atgaatgaaa cattttngna ttaaaaatca nattacttnt aanctttgat aaantaaggc 600
atggntgggg gtaattgggt tttttgttcc 630

<210> 39
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(626)
<223> n = A,T,C or G

<400> 39
acagtggtcc ttttcagagt tggacttcta gactcacctg ttctcactcc ctgttttaat 60
tcaacccagc catgcaatgc caaataatag aattgctccc taccagctga acagggagga 120
gtctgtgcag tttctgacac ttgttgttga acatggctaa atacaatggg tatcgctgag 180

actaagttgt agaaattaac aaatgtgctg cttggttaaa atggctacac tcatctgact 240
cattctttat tctattttag ttggtttgta tcttgcctaa ggtgcgtagt ccaactcttg 300
gtattaccct cctaatagtc atactagtag tcatactccc tggtgtagtg tattctctaa 360
aagctttaaa tgtctgcatg cagccagcca tcaaatagtg aatggtctct ctttggctgg 420
aattacaaaa ctcaaagaaa tgtgtcatca ggagaacatc ataacccatg aaggataaaa 480
gccccaaatg gnggtactga taataacact aatgcnttaa gatttggtca ccctctcnct 540
aagggagccc attgagccna nggngctaaa gcctcatact ccacctgaat ggttaggaga 600
aaatttatcc caaaaaaaaa aaaaan 626

<210> 40
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

<400> 40
cgaggtacgc gggcaggaca tttaaaaggt ttcagcagaa atcttatgat tatgtctgac 60
ttgcagtatt ttatttgcct ctttgacggc ttttttttt ttttttttg agacagagtc 120
tcacactgca ctccagcctg ggtgacagag tgagagactc cgtctcaaaa atgaatgaat 180
gaatgaatga atgaatgaac aaacgaacaa ggtggtttaa tgtcagaaaa cttcctaagc 240
atttgctccc caaacctttc atgtttttca agaagccttt attacataaa ggggaataga 300
attaaaatgt ttctttataa gaaaaatata catatttgtg ttcttggccc cattaaaact 360
aatcagtagt cctttggcca aaaaatagtc aacaaganaa ctgggtatga ntccnggcnt 420
tactcctgnt cataagtgng gatgcntgtg tctganccna actgnctcaa ctngagctct 480
tggggtataa caanaaaccc gngttttcat gaaaccccctg ggccnttata aaaggtttcc 540
cttggggggc ccaatgctta ttntngattn gggttccaaa anntngcaat tggnataggt 600
gcttgaaata acccccttt agtnnaattc cnaccaaaac cntgn 645

<210> 41
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 41
acgcggggct cttcacgagg tggaaacaag atggaggatt cggcctcggc ctcgctgtct 60
tctgcagccg ctactggaac ctccacctcg actccagcgg ccccgacagc acggaagcag 120
ctggataaag aacaggttag aaaggcagtg gacgctctct tgacgcattg caagtccagg 180
aaaaacaatt atgggttgct tttgaatgag aatgaaagtt tatttttaat ggtggtatta 240
tggaaaattc caagtaaaga actgagggtc agattgacct tgcctcatag tattcgatca 300
gattcagaag atatctgttt atttacgaag gatgaaccca attcaactcc tgaaaagaca 360
gaacaagttt tatagaaagc ttttaaacaa gcatggaatt aaaaccggtt ctnaagatat 420
ctcctccaac tctaaanaan gaatataaat cctatgaacc aagctcgcct tttaacagtt 480
tgattcttcn tactgatcca aaataagcgg ttttacctcc ttattgggag acattnttta 540
aaaaagaaag tccatntntg naacctttt ccaaaatttn tcagananac atgctgnttg 600

gngacggctt aaaatt 616

<210> 42
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(259)
<223> n = A,T,C or G

<400> 42
ngtacggtcg gtggcagtgc tattctgaga tctgtagatg cttagaatat cagtattttg 60
gatgttgctg cattttacaa tttatttgga gtcttccttn attttcctcc agatatatga 120
aaatatgcaa tacctgctta tatcatgtag aaaagcttag caattattaa ttttttctnta 180
tttcatttta tttgaccaaa gtcggtgctt cacttgactc antgtgtttt aggtgttngt 240
ntttntacct ttccggtca 259

<210> 43
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 43
acgagtgtat ttttgatggg aaggccatgc taaatctata aaacagatgt ttcctctccc 60
aacagtggtc accagtagtt tcaacttttt ccccccagta gcatcaacca aacttagcat 120
agtgattttt aactctttgc tcccacacgc actcatccca acttccccgc ttgccccact 180
ccctgggggg aaataaccct gcctttaaaa taaatagcaa ccaagtgctc agttctatgg 240
aaagtatgaa tatttatttc aggctttcga tcccaatcga tttcaaaaaa caaagtctga 300
tttctctcct cagagcagct gaggcctcca tgttacgatg gtttcatgga gattgaagga 360
gcacatttca tcaggcttag cacaaagtcc ctgatgccca ccatgtccca gccttagnaa 420
aggaaagaaa cagaattcac caccatgggg ctgaacgaat gccacaccta atgtaaatga 480
ncagctaacc ttggccaaat tgtggtttt 509

<210> 44
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(544)
<223> n = A,T,C or G

<400> 44
ttttttaaaa gtgtcactna ntctttaann anatncatta ccatttttt tncaaantaa 60
attacggttt taaanggaan acacatggna atntananaa ncaccgnnga annttaanta 120

cctngggngc gancanactn anggcgaatt cgaaccaatg ggggcngnaa cnaggggatc 180
ccagctnggt accaaaattg gcgtnatgat cgcaatagcg gtacctgtgn naaanggtta 240
ttcnntngta aaancagann tcntnnaagn nngaccaaaa aangtaaatc ctggggtgcc 300
taatgannga tntaaancna ttaattgggn tgcccacctg cnantttatc gttcaaaaac 360
ccgttaaacn ngtgnaaaaa tgaatngcca acccntngga aaagccgnat cntttgggng 420
cttttccttt ttggtcctna cncttcctan nngnnngttt gggnncggnt nagttcntaa 480
aggcgnaaaa catttacaaa aataggggaa ancccgaaaa acatttaccc nagccacctt 540
ntcn 544

<210> 45
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 45
ggtactctct atcactgaca aatgcaggct ggattcttat tatatacaga gatggctcaa 60
aaatggggtt tcagatcttt gtgacgaaat agaatactgt ttcatatttg aatcagaggg 120
cttcttgttc tgagaaatag gttcaaaatc attggaacca ggaacaagaa tagcttattg 180
ttatctgtga taacactgtt ttctaaacac aaggattttc ttttttatta atatgcaaca 240
tagacattgc cataacagaa taataaacca catgtggggt tttaaaaatg aaatttggct 300
aataggagca attcagctat ttttctatca agaaattggg tggggtggga tagaaagaaa 360
aaccgggttc aaccccactt ctgcccccta accagctata tggcctggat ggagcattca 420
acctttaata agggtcaatt tcntctgttn aaaagacccc aaacctggaa atcacnttng 480
cctctccctg aaaataanaa ggctngattt ttggaataan aaacataatg nangctnggc 540
ccaatggctc gccccgtaat ccacccttttg gaggccangc ggncggacac ttgaggtagg 600
agttgaacca cccgccacct gggaacccnn 630

<210> 46
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 46
tttttgactc ccaaagtcat tttatttaac aaaggggtca aggcagagga aagtttccct 60
taatatcccc acaactgctc cacatgtctt ctgtggaaac acttcaccag gaactagctc 120
aacactcttg ctaacaattt agtgtctata caggaaggct ggtgtctctg ttacaggtgg 180
cccgttcctt aaagccttta gggttaatcg cagctgcact gagtggccaa gcagaccctg 240
ttgggatgtg aaagcagttt gttaacaggg cccctggccg ggcccagagg ctgtcagact 300
cancaagtaa cactgaatgt ccaaaaatac ggctgtgtta aactaacaag ccaatccttc 360
tgctcagatc tctggataga aatgattttt cttttatcta tgggggaatg caatttcatc 420
acaacccctt acataaacgc tcctgaaacc ctttcagtag acagcatttc aattcaaaaa 480
ccaaaagtga aactatcttt gaaaacangg acctggctgg gaaaccatgc acacctcggc 540
gaacactttt ccccccccacg aacttggact ttntgggaag gtggcgggtt tttggcnaaa 600

acattcttga agcntaggaa gg 622

<210> 47
<211> 253
<212> DNA
<213> Homo sapiens

<400> 47
ggtactttgg tttgaaaaca acacttagag cctccagata acttttaaga cttatttagc 60
tttgtgggtg gtattttcat gcaaataagt aagggtgggt tttatatttt gtagaagttt 120
tcggtcctat tttaatgctc tttgtatggc agtatgtata tattgtgtta agttcctcaa 180
gaatctcctt aaaaactttg aagttaatac ttttgtgcaa ctgtgttttg aataaagcca 240
tgacagtgtt aaa 253

<210> 48
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 48
acttacatat cctacatttg actacattat ttccaaacca agtattccat ccaaaggaac 60
atactgctat catagagacc aaggagggac tgtttaaagt tgccaaggtg aagcgagctg 120
agaggctttg tcctcgtgcc agtaactctg aaatttctct taattcctgc tgtccaggca 180
gcagaatgcc atggtttccc caagtaggta gctgctttag cagttaaagc ccaaatgtct 240
gttctgttga tcaagaggtc tctgaatttc tgaagtggtg tttcgtttct ggtgactgag 300
ttaatccttt acaatnctc ttgtaaagtg tgctaataga aagaatccac ctttcaaagc 360
tgcagaacca naccgtgccc taaattgacc aaccgtanct gatgtgcctn angaagtctt 420
ttgccaactg ccctgtgaan acccctnctt ccccccagct ngtggcttgc acactgaaca 480
tttaaactgn gcaaagccgt gtagttataa nacagtaaat cccaaggctt ggttaantgc 540
tgggnnaaaa ctggttggat anacttaact taaaacccct tacataaacn tnggaactcn 600
aagaaaa 607

<210> 49
<211> 421
<212> DNA
<213> Homo sapiens

<400> 49
ggtaccactg gatgaggggc cgggacatac tgactgcccc tttgacccca caagaatcta 60
tgatacagcc ttggctctct ggatcccttc tttgctcatg tctgcagggg aggctgctct 120
atctggttac tgctgtgtgg ctgcactcac tctacgtgga gttgggccct gcaggaagga 180
cggacttcag gggcagctag aggaaatgac agagcttgaa tctcctaaat gtaaaaggca 240
ggaaaatgag cagctactgg atcaaaatca agaaatccgg gcatcacaga gaagttgggt 300
ttaggacagg tgctgttccc gagactcagt cctaaagggt ttttttccca ctaagcaagg 360
ggccctgacc tcgggatgag ataacaaatt gtaataaaag taacttctct tttctttcaa 420
a 421

<210> 50

<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = A,T,C or G

<400> 50
ggtacttcag tattgcattc tattcctctt aatgttttta tgggatctcc agggaaagag 60
gaaaatgaaa accgtgatct aacagctgag tctaagaaaa tatatatggg aaaacaggaa 120
tctaaagact ccttcaaaca gttagcaaag ttggtcacat ctggtgctga aagtggaaat 180
ctaaatacct ctccatcatc taaccaaaca agaaattctg agaaatttga aaagccagag 240
aatgaaattg aagcccagtt gatatgtgaa cccccaatca atggatcctc aactccaaat 300
ccaaagatag catcttctgt cactgctgga gttgccagtt cactctcaga aaaaatagcc 360
gacagcattg gaaataaccg gcaaaatgca ccattgactt ccattcaaat tcgtttattc 420
aaacatgatc aagaaacgtt ggatgacttt aaaaaanatg ccntaaggac anttgtgatt 480
tgcaggtggg aagatnaaca gttcatatcc actgaatgaa atgcatcttg tggaaganct 540
catgnatnaa ggttaatggc tgaaatgaaa actccaaaag aaaccaaaaa ataccggccc 600
ctttgaaatt cagggannсc tatg 624

<210> 51
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 51
ggtacgcggg ggaaacggaa gtgagcggcg gggtcgactg acggtaacgg ggcagagagg 60
ctgttcgcag agctgcggaa gatgaatgcc agaggacttg gatctgagct aaaggacagt 120
attccagtta ctgaactttc agcaagtgga ccttttgaaa gtcatgatct tcttcggaaa 180
ggtttttctt gtgtgaaaaa tgaacttttg cctagtcatc cccttgaatt atcaagaaaa 240
aaatttccag ctcaaccnaa gataaaatga attttttccc cctgaagaaa cattcagggc 300
tattttgctt cccttaaaat accagaatgg gattcaaggg cagtgccacc aggtcaaccg 360
ctttcatttc tttcaagcct caaatctttc acttgaatgt ttgaagggta atggatgaag 420
acctattgga attgagggat atctttaatg atccgcccca aaccgaatcc ttggaaaagc 480
caccccttgat ggtggaatat aaccttggtt actgaatatg tgcctgtcat ggaaccgagg 540
ccgcatctgg ttatagcatc tttgacctgc cggccgcccc aaaggcgaat ccacncctgc 600
ggccgttcta tggaccaact cggnccaact gn 632

<210> 52
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(623)

<223> n = A,T,C or G

<400> 52

actttttaatg gtgggaattt acagtagaag catcctttgc tgagttatac attcctttat 60
caatctcttt tgatacaaca tttaaaacaa gtagcttcaa gaaaccactg gtgttttgag 120
gatagtattt ctaaatagca ttcaggaaca gagtattatt gcacagatct gaagatcaaa 180
aaaaagctca aggaaataca gatcggaagt gctgatgagt tatatttatt gaaaacccaa 240
cttttaagga agtgctaaga tcagtcaccc atgtgaataa gaagccagga aaggaaagat 300
ggggaaagcc canatcacca ggcttctatt aaggaggaaa gcaacagang aaacagtgaa 360
agggaacaga aaggggtagc caagtgttac aaaaaanccg actggataac caaactncaa 420
aaagngtatg ttggggagaa ctgaaangga aaacaaaata cttgactaat cntaagtaga 480
aaaaagcagn tagagaaaac caaatatttc tggncctgtc acatacaact tcaaataccc 540
ttatanaatc caaaaatgat gtgtgtaagg naaaatttat tgccntccga aaaataantt 600
tntccaatnt gaaacaaatc aac 623

<210> 53
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 53

ggtacgcggg gtcgcatgcg ctgtggctaa tgccgtaggc tctttcaggg ctgagccatc 60
ctgcgtgtct tgcgctcggt ggaaatgccc agccgaggga cgcgaccaga ggacagctct 120
gtgctgatcc ccaccgacaa ttcgacccca cacaaggagg atctaagcag caagattaaa 180
gaacaaaaaa ttgtggtgga tgaactttct aaccttaaga agaataggaa agtatatagg 240
caacaacaga acagcaatat attctttctt gcagaccgaa cagaaatgct gtctgagagc 300
aagaatatat tggatgaact gaaaaaagaa taccaagaaa tagaaaactt agacaagacc 360
aaaatcaaga aatagtcaac ctgatttcac ataacaatgt gtggcatttg ttgttctgta 420
aacttttctg ctgagcattt cagtcaagat ttaaaagagg acttactata taatcttaaa 480
cagcggggac ccaatagtag taaacaattg gtaaagtctg atgttaacta ccagtgntta 540
ttttctgntc acgtnctaca cttgangggg gtttgactac ccancctgtg gaagaagaaa 600
gaagcaatgn ggttctatgg atggaga 627

<210> 54
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G

<400> 54

ttttccttga gtgctccctt ttatgtcatt ttattttctt ttatgcagac cagtgggggg 60
aaaatcccat agattcttct ggaaactgtc aagatgctgg gaagatgaat gcaaaactta 120
catagattgg gatgtccaca gtttggattt tcaaggtatg gcttttgcag gatgacgtga 180
tcaacccaaa cttctgcttg atctggtttg tcctgaactc ctgccacttg ccgccaacca 240

gggcctctgc tctgatctca tacttcacca ggcgtgccgn tcgcaggctg acgtggttgt 300
gctcgtagac cgcagaggga gattccaggt ctgtgtgctt tattctctgc atgtaaaaac 360
tataagaggt agtatcatgt ttgagtccct ttatcttaaa gaagaatcca tatagagcaa 420
tcgttttcga ataagttgna ttctctgngt ctggcactgt gtccagtgct ctcanaggat 480
gcangggaga anaccaaaaa gtntctgagc agtctcacat gggaaataaa atgtgtcccc 540
ggtaccttgg ccgngaacac nctaa 565

<210> 55
<211> 451
<212> DNA
<213> Homo sapiens

<400> 55
acagagatga caagagaaag gcacaaatga ccggagtcag ggattgtggt gagggctcca 60
catgaagaca gcatgttgga ggagaccaag ttgggaaggg tgacatgtca tacatcaaaa 120
gttgccccaa gatagcaggt tataatgggc tagagagaaa ttagagggaa catctcttcc 180
ttcacttgaa caacaccaaa aatagaagac cagagaatag aaggatggtg acaaatccca 240
aaaaggaaat ggaggaggag ttcgtggaag ggcagaaaca ctttaatcct agagggaggg 300
tgaggcactg ttgaaaagag aagcaaactt tggcaggggt ggccattctg ccttgctgag 360
tcatgggctg agatacggaa gtcactttca atcattttct acttctccca gggcactcag 420
acaaaatcag tgcaaggtat atggaagtac c 451

<210> 56
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(623)
<223> n = A,T,C or G

<400> 56
ggtacgcggg gcttccgaga cgcactgggg gccggatgta gaatcctgct tatctgtgaa 60
atgcagttaa cacatcagct ggacctattt cccgaatgca gggtaaccct tctgttattt 120
aaagatgtaa aaaatgcggg agacttgaga agaaaggcca tggaaggcac catcgatgga 180
tcactgataa atcctacagt gtttcactct tgttgcccag gctggagtgc aatggcgcga 240
tcttggctca cggcaacctc tgcctcccgg gttcaagcaa ttgtcctgcc tcagcctcct 300
gagttgctgg gattacagat tgttgatcca tttcagatac ttgtggcagc aaacaaagca 360
gttcacctct acaaactggg aaaaatgaag acaagaactc tatctactga aattattttc 420
aacctttccc caaataacaa tatttcagag ctttgaaaaa atttggtatc tcaacaaatg 480
acacttcaat tctaantgnt tacattgaan aagggagaaa acnataaatc angaatacct 540
aatatcttca gtngaanggc atcaaggttc tcttgaaaac ttnccggaat aatgaatntn 600
ccnaagtcca aaanattttt aac 623

<210> 57
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(622)

<223> n = A,T,C or G

<400> 57
cgaggtactt ttttttttg ttttttttt tttggtttct gtcctttaat tttttaacag 60
aatatacaga gccacacaat acgatttcaa tttcaaatta tgggagatca tattcaaata 120
tgcttaggtt tgacaagttg ctgttacaat actgagaact ttcatgaaaa cggtatttaa 180
caatttttaa gataatcaaa tatctttttg ctacgtgggc caacgcatta atactaactt 240
gtttaaaaat gcagtctttt agacttcaaa ttattataaa acaatatcaa gatcatatag 300
atatacttcc tgattactca aaactcgttc cattctgatg gaggctgaag gtaaatgtta 360
ttatacatta gaacatttca tgaaaccact tctcctttgc acttacctgt aaaagtcaaa 420
aattaaacca caatttccta agacataact atttctagaa tacattggtg taatcataaa 480
agactacnag taaattatca tttttatcta acacttttta ccacacacat ctttcctaaa 540
aggaccnaaa aaaattggga atttggattc cttacataac aggactcata cttctgattt 600
aataaattnc actcttttca ag 622

<210> 58
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 58
ggtacttttt ttttgtttgt tttctagact taataaaagc ttaggattaa ttagaagaag 60
caatctagtt aaatttccca tttgtatttt attttcttga atacttttt catagttatt 120
tgtttaaaaa gatttaaaaa tcattgcact ttggtcagaa aaataataaa tatatcttat 180
aaatgtttga ttcccttcct tgctatttt attcagtaga tttttgtttg gcatcatgtt 240
gaagcacccg aaagataaat gatttttaaa aggctataga gtccaaagga atattctttt 300
acaccaattc ttcctttaaa aatctctgag gaatttgttt tcgccttact ttttttctt 360
ctgtcacaat gctaagtggt atccgaggtt cttaatatga gatttaaaat cttaaaatgn 420
ttcttatttt cagcacttac atcatttggt acctgccngg cggccgntcg a 471

<210> 59
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 59
ggtacataca caatcactca actggaacaa tcaaaaccat ctatgagtgt ggttattaaa 60
aaataaaatt acgttcatac aatggtagaa aatgaaatgt ttttattaat ttgattatta 120
atacaaaacc acacatatat gaattatata acctagtgtt atatatttaa aaatctttat 180
gcttgcaact gaaatgtctc tactccaagg gaagtttctg atttttaatt ttcttatttt 240
aaggaatcta ttatattcac aatgattaaa atgccttaca cataggcaaa aagcagaccc 300
aatcccagca aacagaaaaa ccataagtct atcatatcac catatgtttc accatatagt 360
tttgaaaaat aatcctattt gcagtttggt atgtcttcat atttatactt attatcaaag 420

tgattgcata ttgaggcaca gagcttaaag aggaaatata tattacttat aggggaacca 480
gacactgaaa caaggaatat caatcaatgg cttcaaacna aaaaaaaann nnnnnnnnnn 540
nnnnnnggaa aaggaaaagt cctgncccgg cggncgttca aagggcnaat tcaaccactg 600
ggggccgtac ttatggac 618

<210> 60
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 60
acttttaaa ccctcccaac cagccctttc tcaatattca tcaaatctaa aacatttagg 60
gggcaaaatt ctaacatgtt catggtatct tgcaaatagt aaaagcttta ttctgaagga 120
ttataaacta gttttctcca ttttaactag cactattttg tggaaattag aaacctcttt 180
tatttctctt cccaaaagta atacttatta taaggctgta gtatcaggtt aaggatacag 240
ataaataaag ttcacttata tcttcttaca aatgtctggg ttttaatatg gttaatcact 300
tatatacaaa tattacaact ttttagtgca agtttttgga agaaaacttt ttgataaaac 360
actgtgattg atgtgacttt atttttaatt taaacgatga ggtggccaga agaaagatgg 420
gtctaaaatt tctcccatga aagatgtaaa actatggctt ttttaaaatc aaaatttcat 480
ctttaaaata atgggttgaa atctggatng gatctgaaca gaataatcac atttaggatc 540
tatataaatc tcaactggag tntaactgaa ggaaataccn ngattttaag aaatatnttc 600
aaaaan 606

<210> 61
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 61
ggtacattct ggtatgaaaa catctcaaaa tgtaacaaca caagagtttg ggtcaagacg 60
acccacccag gaggctgtaa aaactggttt gaactagaac tgtggaatgg aactagttta 120
aaatatgaag cagctctaaa caccaagctt agagacattt gccctattag aaaacaaaaa 180
tcattaaagc tacaaaataa caagtgcaaa catgctgaac ctgtttccag ggagtgacat 240
tcccttctgc caacaggtcc caaactcaca cccacaaggt gtaactctct ttcctgttcc 300
actagatttc ctttctctca tctcaaaggt cctcagaaat gacaatggaa aacgtatgaa 360
ttgttgaaat ttaccctgtg gaccaattcc tgaagagata acagccacaa ctctgagatg 420
attaagacat gcagtgttta cttgatgact ttctgnattt ctagaaaccc tcaaagcatt 480
aaactgncta tttcaaaatc taaacttnct agcactttta ttatttggag taagcnnacc 540
gaagacaatt tactggccca caggaataac cacgcttact tgtcaccata agtttacggn 600
atggacattc actggaaaac 620

<210> 62
<211> 614

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 62
gccgaggtac ataaatctgt gatcccattt cttattgcac cattcaggaa cactttatat 60
aaatgagtgg ctttttattt catattatta gtagtatcat ggttccatta caggcctatt 120
aacatcatac attgtcatta gtctttgaag aaaaaatatg taaatatata tgtgtaacat 180
gagaatttct ctctaaagca gggcttaaaa ttttttggaa aagtttgaca aagcatacca 240
catgaattca gatttacctc aatgctaaga attatgttta gttaggaaaa aggaaagtca 300
ttttgacctc aggtagaaaa atagattgct ttgagtttta tgtagcttta gactttaaaa 360
agttagaatt tattctgtaa ctaaaaatta tttgaaaaaa ttatgcctct ggtttaatta 420
ttggtgatta cacactcttt ctcttaccct tgngtattga actatgtcca taatcaagtt 480
gatgtggatc ctgaaaaatg gtatgaacat ctgatgggat tggcacatta ttttaaaant 540
agcatctgac acttcaaaac tgtcantgng atgggttcac cataccacgg ntgaccntac 600
attaaatttt nacn 614

<210> 63
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 63
ggtacatata agagtaatta gttttattct ctcttttta taaaatcggg tttcagatga 60
gatgtttatc ttagactatt ttagggaaaa attttacatg tttgagatgg tggagtaaaa 120
agactgttaa acatttcttt taaaaaatta tttttacatt acaacaatat atttatgatg 180
tgttcagatc aaaaatttaa cttctgtgtc ccagatctac tttcaaagtg agattttcac 240
ttgtcagctt aaatttctga ctagaactaa catttgtgta tttttgtgct tagtcggaat 300
acaaatttca cagtggattt ttgaagtttg tccttaaatt ggataaaatc aagtgattaa 360
agttactaaa gagataaaaa tggtaatttc catttttaaa agtaatttgg ttgtgtttat 420
agttatttgt acttcgagtc tcccttcacc atttccgacg gcatctacng ctcaacattt 480
tttggtaccc cangctttca cggacttcac gtcattattg gctcaacttt cctcactatc 540
tacttcatcc gccactaata tttcctttac atccaacatc ctttgacttt naagccgccg 600
ctgatnctgc attttn 616

<210> 64
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 64
ggtacagata tcattncttg tgtatgccat gacttgaaaa agtttgggaa gctctttanc 60
aatatcagct aanaggatat gaaatcacag gtgatagcag ttgtcattca gtaatttcct 120
acaagcagca ccccaaagga aatatagtcc taatctttac tatccacttc taaatttaat 180
gtgaatttca tacatgttat tagttgtttc ctttataatt ttataaaaat tattcatcgg 240
gagtttaact tccacttcca tgctatcgga tgtgttgggc tccatgcaag aacttggaag 300
aaaaacaggc aggaatgcat ttgcataatg acccagatca tcattttctg caactgagaa 360
ttatatttca tcattgcttc tagaagtctg caattcttta cttttctttg gtgcattatt 420
atctangtgc ccatcactgg ataatgtgga gtgactagag aagtcatnta tcactggaag 480
gncctgcccn ggcggccgtt caaaaggnca antccagcan nctggcggcc gttctaatgg 540
gntccaactt ngggnccaan cttggngnan tcatggcnta acnngttccn ggggggaaat 600
gntntccctc ac 612

<210> 65
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

<400> 65
acaagctaca aaatagcatc tctttcatgg tatgtttgag tgtgtaattt tagtttcttt 60
tctggttgta tttgtggtag tcagatgtgt tggattgatt ccaactggac agagtaagga 120
attccagcat cctcttcctg cttgctcgtg ttaccccaca gatcaaaccc tcaattctag 180
ttggggatgc tgtctagccc cacaccatga ctgaagcctt aagcactgtt gcgcctccat 240
gtgctttggg tcagcaaccc cagtggtatt ctaccagagc attgtgggaa ggcagatgta 300
tagtcaggtc ccaacagcaa attgttgggt gtgagagttc taaagtatag gggtgaaggg 360
aaagagaang atatgaactc ctctgacctt aaccacattc atttaacttt tatgcctact 420
taacaagaga acctggagaa aactatcgna ttcaagagat taatcaaaat cagggtttan 480
ccagccatga ccgaaancnc cttccttaac ctcatcttgn anggctgnaa naattcannc 540
ctaggatggt taanccagaa ccccngatga ttaantgtcc aaccttnatt tncatantn 599

<210> 66
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 66
ncatgacctt tagtggaaga ttatttggtc atcaaatacc catatccaag tttccatggg 60
gcctgggaat ttcctttcac ttggatagaa agtatatatt aggaaagtcc agttaataag 120
tatttttatt taaaaaaaaa aaaaaaggaa aaaagaatca gcagaagtca agttgtctta 180
agtcttaagg ctttctggat ttcttccttg gaggaggtca ggatcttccc aaggcctggg 240
tcctcgaata ttcttccagt catcaaactt ggagtctttg attttctcat attccgactc 300
taaagatatt ttattctctt tcagtttttt ttcaagctca ggatccattt tactcttcac 360

agcatcatat cggatttgag aaaactcacg aagaccaaaa gaaccttcaa caatcagcaa 420
caacatgggg actccatacc cagagtcttg gtcttgcgaa aagcacgcnt naaccgcggg 480
tgccaacatg agtgaactct ttcatcggtt naaactccaa cnggcctacg caaactccca 540
atttacaggt tangctttta ccaaacaagt ncctnggcgg gacnccctag gggaattcgc 600
cactgggggg t 611

<210> 67
<211> 639
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(639)
<223> n = A,T,C or G

<400> 67
nagaattcgn gcttncnagc ggtcgnccgg gcaggtacac tttacttaaa aactattaac 60
agtttttcat gttgcactgg tggtaatttt gaacttggaa ttactgggtg ggaattccag 120
gaaccacaga gtattgattt ttgctgccaa aatgctcttg aagcagatgt ccctgtgctc 180
ccctggctgc ttctggctga agggggggagg tgtagactga agcttgggca ctcatgtgtg 240
tcccctccca gtccccatcc tagtggggcc agtctcatta ggcagccata gataagcctg 300
gaacttggct gcattagtga cttgatcctg gtatgaaatg catactgggt ataaagntgc 360
tcaagnattt tatttccttg gccacaactt ccatagatgc caatggtttg atagcctcag 420
tttctnaacg atgtcttttg gttacagtgc tcacttantg ngagtcaaga aatgcttgag 480
ttaccagaaa cttcttantc aggttgagta acnttttacn ttcatgngta nctnnggcgc 540
gaacaccctt angggaatt ccacacactt ggnggccgta ctaanggatc caacttgggn 600
ccaacttggg ggaaaaangg cnaantggtt ccttgngaa 639

<210> 68
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 68
tcgaccggcc gcccggccng gnccttcccc atcactnnac tggnacnatc aaaaccntct 60
atgantgngg gtattaaaaa ataaaattac gttcatacna tggtagaaaa tgaaatgntt 120
ttattaattt gattattaat acaaaaccac acatatatga attatataac ctagtgntat 180
atatttaaaa atctttatgc ttgcaactga aatgtctcta ctccaaggga agtttctgat 240
ttttaatttt cttattttaa ggaatctatt atattcacaa tgattaaaat gccttacaca 300
taggcnaaaa gcagacccaa tcccagcaaa cagaaaaacc ntaagtctat catatcacca 360
tatgtttcac cntatagttt tgaaaaataa tcctatttgc agtttggnat gncttcatat 420
ttatacttat tatccaagtg atgcntattg angnccnaag ctttaagang gaattttntt 480
cctatngggg acccnaccct tgacccgaat tcatcaangg ntttaaccca aaaaaaaann 540
aaaaaaaaat ggnaangggg ctcccttnaa ancccccca acctntttnt ttaacnagnc 600
tnagcctttc a 611

<210> 69

<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 69
accaaagcat tacccgcatg gtagagaaca cactcgatta aaaatgttaa gctatctgaa 60
aaataaaatg tgcaagtctt caggatggca caaaacaaag gtcaatgctt cttggggcac 120
atttcttaga gggcttgctg agtgtgtaaa tataatcgac ttttgtttgt gttacatgac 180
ttctgtgact tcattgaaaa tctgcacaat tcagtttcag ctctggatta cttcagttga 240
cctttgtgaa ggtttttatc tgtgtagaat gggtgtttga cttgttttaa cctattaaat 300
ttttatttttc tttcactctg tattaaaagt aaaacttact aaaagaaaag aagtttgtgt 360
tcacattaaa tgggtttggt ttggcttctt ttaatcaggc tttctgaaca ttgagatatc 420
ctgaacttag agctcttcaa tcctaagaat ttcatgaaaa gnctntnact ttgaacccaa 480
accanaatac ctcggccgga caccctaagg cgaattccag ccactggcng gccgtactaa 540
nggatccanc ttggtnccaa cttggggnaa catggcnaac tggttccggg gaaatggatc 600
cccncn 606

<210> 70
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 70
ncgtggncgc ggccgaggtn ctttttttt ttttttttt ttttttttnn aaaangggta 60
accttaaagg tttantggcc ccccaaangn aacctggggt taatggcttc nnattttaaa 120
tttttggaaa ttaaaaaaat tacnagtttt aaatagccna tggctggnta tgttttcana 180
aaacatgatt agactaattc attaatgggg gcttcaagct tttccttatt ggctccanaa 240
aattcacccn ccttttgncc cttcttaaaa aactggaatg ttggcatgca tttgacttca 300
cactctgaag caacatcctg acagtcatcc ncatntactt caaggaatat ccgttggaat 360
acttttcana aagggaatga aagaaaggct tgatcatttt gcaagggccc caccacgtgg 420
gcgganaaat cacttctaca ggttattacc tgganngtca aagntttctg naaaacanct 480
tgctctcaac tggtttacca tttggtgctg gagctnacaa ccggtttaag gcccttggna 540
anggtccaag ncccaanaaa ctttcccggt ccttccggng gccttnaagg gaatccnccc 600
tgggggcgtt t 611

<210> 71
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(588)

<223> n = A,T,C or G

<400> 71
nctgggaacn ccgaaggtgg aaggccnttt cataacattt cttgtggatc aaaccaccgg 60
gacacctttt ttnccatcaa caggactagc gtcttgtcag tcttggtgac agtgacattg 120
aangtggggg cccaccggtg ctcttggtac tttcccaaga ggtcctcatc ctgagacggt 180
ctctacccat gtttaaccca aagagtgcag gccaggttcc ttatccttct gatgaaggat 240
gagagaactc atttagaagt cagagcaaac tagggtctca gtattgagaa acgcacctgc 300
canggaatca cagagacatc ggggtgcccg cgatggcctc atgaaccatg cctngacggn 360
attcaggaac cctgcaaacg tgctttttga ctcattggnc agtgtgaatt ttacacaagg 420
naaacctggt cnaaggcatt ngggaattgc tccaacnnat acttcctntt aggaacccaa 480
ggaancaggt tcncgaattt tgaaaactgg gtntgaagtt ctttcttcct ttgggnacaa 540
ggccttaaca aanancttgn ggnttccaaa tggncctggc cccacacc 588

<210> 72
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 72
ggtacaaact tagaagaaaa ttggaagata gaaacaagat agaaaatgaa aatattgtca 60
agagtttcag atagaaaatg aaaaacaagc taagacaagt attggagaag tatagaagat 120
agaaaaatat aaagccaaaa attggataaa atagcactga aaaaatgagg aaattattgg 180
taaccaattt attttaaaag cccatcaatt taatttctgg tggtgcagaa gttagaaggt 240
aaagcttgag aagatgaggg tgtttacgta gaccagaacc aatttagaag aatacttgaa 300
gctagaaggg gaagttggtt aaaaatcaca tcaaaaagct actaaaagga ctggtgtaat 360
ttaaaaaaaa ctaaggcaga aggcttttgg aagagttaga agaatttgga aggccttaaa 420
tatagtagct tagtttgaaa aatgtgaagg actttcgtaa cggaagtaat tcaagatcaa 480
gagtaattac ccacttaatg gttttgcctt ngacttttgg gttaagaata tttttaaatc 540
ctgnggctnc cttaattggc cgnttgncca ngggttccnn aaatgggttc n 591

<210> 73
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

<400> 73
acgcgggtat ctgtaatttt tataattcat caattctgga atgctatata taatatttaa 60
aagacttttt aaatgtgttt aatttcatca tcgtaaaaag ggatcatctc agagagaaca 120
gcagtattct gcgtattttt aaaaatgctc tagagtaaca tttgaagtaa ttcactgtag 180
tgtatgccag tcctagaaat aatttttta atttctggtg tctgtttcta atacactaac 240
caagttttca aaatatattt acaaagatgc atctttaccc attattttaa aatgattaag 300
gaggatagtt gcttcaggta acaagctaat ttttcaaata ttaggccctt acagaactat 360

ttagtcaaaa agtaagatac tcctttaaaa tatataaccc aaagctttca gttaaaccat 420
gatatatcac aaatactatt aaaatggtaa agagaaaatg caattgcant taatgatgcc 480
caaatngtaa aatatngaga ttcaaaagct gggnctttat ttaggnggga tnccaatgnn 540
aatgatactg gcctggnttt acctttacct tttaaaaaan a 581

<210> 74
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

<400> 74
cgaggtactt tttccgcaca tgccttgtgc ctatctgagt attgatgcca tggatgtggc 60
cggagaacag cagctggatg tggaacacaa cctgttcaag caacgactag ataaagatgg 120
catccccgtg agctcagagg ctgagcggca tgagcttggg aaagtcgagg tgacggtgtt 180
tgaccctgac tccctggacc ctgatcgctg tgagagctgc tatggtgctg aggcagaaga 240
tatcaagtgc tgtaacacct gtgaagatgt gcgggaggca tatcgcccgt anaagctggg 300
ccttcaagaa cccagatact attgagcagt gccggcgaag agggcttcag ccagaagatg 360
caggaaccag aagaatgaag ctgccangtg tatggctttc ttggaaagtc aaataaggtg 420
gcccgaaact ttcactttgc ccttggggaa gancttttcca gcantcccat gtcacntcat 480
tgacttggca aactttggnc ttgacaaccn tnaccatgac ccactacatc ancacctgtc 540
atttngggga ggactttcna gccttgggaa acccctngac cccccaatgg taattggcc 599

<210> 75
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(594)
<223> n = A,T,C or G

<400> 75
acatcaaatt ataaatgcaa aacaggttca gatttcatct tttgtgattt cttttaaata 60
ctattcattt ttatttaaat gcacagtatt tcccctatat tttagtcctt ccattcctag 120
agacaaacca gttatttggt ggtgggaagt agctgaagca aagaaggaaa agtaatacct 180
ttaacctcac tagcttcaag agtagacatt cttactagct caatttaaat aattgatttt 240
aaataggaag aaaagaggat atatttaaga tacatagaaa ttatgatgtg aagtattcat 300
gagaatctgt agattccatc aaaataagta ggaactcatc taaaattgtt ggatttaaag 360
aggcactttt ggttatgatt caaatatggg gaatttgaga aatattcatt ttgnccactg 420
gatggtcact attttactaa aanggnagct ttttatgggg ggactgngac tgaggtctta 480
aagactgaaa gaagttgggg ggttcatttt cngtaccacc ttcnnggacc atttggacct 540
ttggccggga acacccctaa ggngnaattn cngnccctgg gggccgtcta atgg 594

<210> 76
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(585)
<223> n = A,T,C or G

<400> 76
acgcgggggg cggagtagca agtggccatg gggagcctca gcggtctgcg cctggtagca 60
ggaagctgtt ttaggttatg tgaaagagat gtttcctcat ctctaaggct taccagaagc 120
tctgatttga agagaataaa tggattttgc acaaaaccac aggaaagtcc cggagctcca 180
tcccgcactt acaacagagt gcctttacac aaacctacgg attggcagaa aaagatcctc 240
atatggtcag gtcgcttcaa aaaggaagat gaaatcccag agactgtctc gttggagatg 300
cttgatgctg caaagaacaa gatgcgagtg aagatcagct atctaatgat tgccctgacg 360
gtggtaggat gcatcttcat ggttattgag ggcaagaagg ctgcccaaga cacgagactt 420
ttaccaagct tgaacttana aaagaaagct cgtcttgaaa gangaagcnc tntgaaggcc 480
aaaacagagt acanaagttt ccnngttggc ttggattttg aaaattcnng aattntntat 540
aacgggcttn tttaaaaagg atnggnttan gnacctttnt taaat 585

<210> 77
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 77
ggtacgcggg agtcatattt atgaaaaaag gtttgtgttt tactcttgct agtgagaaag 60
tgggacaaaa tatacttttg aaataaaatg ctatatggca cctaattatt ttttctttta 120
aaatgcctta agttgcagtc tcattttgat aatcatttgc ttccagtgtt taaaaattaa 180
aaaaagaatg gggagaaggt tatgagaaga gcattattaa gtttccaaat ttaatttgaa 240
ttccaaattc acctagcaat aaaatctaat ttttaaaaag tatataaata taaaatgtat 300
aaatgatgga tagatttttg tattgatttg caaaatgcag attatatttg ataggctata 360
gtatgtagat attcctttta ggaatattac agctgtaaat tatatgagac ttgccagtca 420
aatgctattt ggtttaaaaa aattattgca atctcaagtt aatggaatat ttttaaatcc 480
cacattcaga gttaaaacct ngttttcaat gggtttttan tgtggcactt gnttatagat 540
taatttttaa taacctgttn ggaancnggg ccttttaact ggtccttggg g 591

<210> 78
<211> 252
<212> DNA
<213> Homo sapiens

<400> 78
actgagaagt attttcagtg attcgaccca gaccagattt caacacatgg ttcccataca 60
ggaaggactg ctctgcacca ggctttatcc aaactttata cttggcataa ggtgcaaggt 120
aatccagagc tgtgacgtgc aaccgaaact tgtgggtttt agtgaatttt ccaaagcagg 180
tccccagcga caccagcttg tccccggaaa tattggcggc cagcttcata atcttctcac 240
tcacatagta cc 252

<210> 79

<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 79
gctcgggcaa gcactttaac cttttaagcc caaccagatg agttgcctgc agttttggag 60
gccttcagag catttcacta gacctctgtc tgtgtcggtc cagtgtcttt agccaagctt 120
tgattaaaga tgacttcctt gtttgctcaa gaaattcgcc tttctaaaag acatgaagaa 180
atagtatcac aaagattaat gttacttcaa caaatggaga ataaattggg tgatcaacac 240
acagaaaagg catctcaact ccaaactgtt gagactgctt ttaaaaggaa ccttagtctt 300
ttaaaggata tagaagcagc agaaaagtca ctacagacca ggattcaccc acttccacgg 360
cctgaggtgg tttctcttga actcgttact gggcatcagt agaagaatat attcccaaat 420
ngggacaagt tcttttagga agacccctta tccttttgct ggtgaaaatc aaaatgaagc 480
nnaaaatccc ttcaaaatga ggccaacgan taacttttt aaatggcttt tcaaaaagcc 540
ntgttaatta ancttnantg taaaggnttt t 571

<210> 80
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 80
acctcttcct gttcgaatgg gttatccagt aaaaaagggc gtgcccatgg caaaggaggg 60
aaatctagaa cttttaaaga ttcccaattt tctgcatttg actcctgtag caattaaaaa 120
gcactgtgaa gcccttaaag atttttgcac tgagtggcca gccgcactgg acagtgacga 180
gaaatgtgag aagcattttc caattgaaat tgacagcact gattatgttt catcaggacc 240
atctgttcgg aaccccagag cacgagtagt agtctcaaga gtaaagcttt ccagtttgaa 300
tttagatgat cacgcaaaga agaaattaat taaacttgta ggagagcgat actgcaagac 360
cacagatgtg cttaccatca aaacagatag gtgcccttta aggaggcaga attaccatta 420
tgccagtgta tctactaaca gtgttatatc atgagtcttg gaatactgaa gaatgggaaa 480
aaagttagac tgaagccgac ttggagaatn tatatgggaa aatactatca gaaagaaata 540
tctggnaacc cttttccgat gaaagtgctg anaaaatntg gaattaataa gaagn 595

<210> 81
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(601)
<223> n = A,T,C or G

<400> 81

acgcgggga aaacaagatg gaggattcgg cctcggcctc gctgtcttct gcagccgcta 60
ctggaacctc cacctcgact ccagcggccc cgacagcacg gaagcagctg gataaagaac 120
aggttagaaa ggcagtggac gctctcttga cgcattgcaa gtccaggaaa aacaattatg 180
ggttgctttt gaatgagaat gaaagtttat ttttaatggt ggtattatgg aaaattccaa 240
gtaaagaact gagggtcaga ttgaccttgc ctcatagtat tcgatcagat tcagaagata 300
tctgtttatt tacgaaggat gaacccaatt caactcctga aaagacagaa cagttttata 360
gaaagctttt aaacaagcat ggaattaaaa ccgtttctca gattatctnc cttcaaactc 420
taaagaanga atataaatcc tatgaagccc aacttccgnc ttctgagcag ttttgaattc 480
ttncttactg atgccagaat tangcngntc ttacccttac tcattgggag acatttctat 540
caaagaaaga aagttcagta tctgtaaacc ntttgtccaa gaatttttca ggagagatca 600
a 601

<210> 82
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 82

cgaggtactt tgaatatgga gtagtttaca gctatttttt tttcttactg gtaatcttaa 60
ctaatatgat tcccttatta gagagcctct cactccccca cccccaaaaa tgtctactat 120
tcatgacagt aaccaattat tctggacaaa ttgcttcttt ttaatttgag ctatctgcca 180
tggactttct aaaatggaaa cacagcctga gtgtatctta gggagagttt gattgaaaaa 240
atccaaatca ctatccatat agatcatgga tataaagaga tacctgattt ttattaaaaa 300
gatacttttt caaatttaag agttaatctt ggaaatttgg aacaagtaaa ggggcaagta 360
aacctttga tgaaatataa aaggactcat tgcatgaagt gactatcaaa ttctgngatg 420
tgnggcttct taaaaatatt ctcagggctt tgggggcctg ccanatggta cctgcccggc 480
ggccgtcaaa agggcgaatt ccncacactg ggggccgtac taggggtcc caacttggac 540
ccaacctggn gnaaataang gcataantgg tccnggggga aatggtnncc gttccattnc 600
cccann 606

<210> 83
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 83

gcgtggtcgg gccgaggtac acgttcgtca tggcggctgg ccctggacct gggtaggggg 60
tccgggttca gtggtaatag cggcggagat gggggagcct ccgcttggct tctttcacac 120
gggttgcttc ggaggaatcc gccgtgcaaa tctgtccgcc cccttggcca ctgatccccc 180
gaagagcttc tgtcgccgct ctaggaatac agacattgaa gtttgggaca agatatttat 240
ctaacttctg tgtcaaaatt agcgacctgc tatggcaatg aagaaagaaa ctgaatttgt 300
cattttcacc tgaagaaaaa tgatagacaa aaatcaaacc tgtggtgtag gacaggattc 360

tgtgccctat atgatttgcc gattcacata ctcgaagaat ggtttggtgt ggaacanttg 420
gaggactatt tgaattttgc aaactatctc ttgngggttt tacaccacta atacttttaa 480
tacttcctta ctttactatc tttcttctct accttactaa taatttctta cacattatta 540
agaagaaaga tgttttgaaa gaagcctact ntcataatta tnggatggtn caagggaaac 600
anggcactnt ntg 613

<210> 84
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 84
ggtactatct gctgctggca aatggggttg ctctgggtga cagggatctg ctgacccaat 60
gctatggttt gttccagtca atgagttgag aaggctaaag ccttggttcc tatcattctt 120
catcactaca ttggaccaca cattggcatt cagggcttgg acaattcgct ttactcctgt 180
agattctggg aagtcatcat cctcctcagg caactcctct ggactaagtt ctaccaattc 240
aaagccatgt ttgaggcacc attcttgagc tttttgtcgg tttataccat cttcagacac 300
tctatcgcag accaagatca tcacctcagg taaccatgct tttgccagtg gaagccatga 360
ggagacacta tcaaggcccg atttttgtgt gctgtcaaag taaaccacaa atgcttggac 420
agattctgca atctctgcag taaccagaaa tttgttgggc accccacata gattgagtct 480
gctgaaaagt atttattatc aatggncccn ggataaaact acacattatt tggaagtact 540
ttcncaataa gaacttntgg tccaaggtat ttttggaccn aanggnctct tgaaaaaacg 600
gagga 605

<210> 85
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(603)
<223> n = A,T,C or G

<400> 85
acagggaatg aagactcgaa gaggagatgt cactttcctg gaagatgttt taaatgagat 60
tcaattaagg atgctacaga acatggcttc aattaagaca actaaagaac tcaagaaccc 120
acaagagact gcagagaggg tcgggctcgc agcactcatt attcaggact tcaaaggttt 180
actcttatct gactacaagt tcagctggga tcgtgttttc cagagtcgcg gggacacagg 240
tagagtaaac tgcanagctg cctgtctgtg acttccaagg ctaggtcata aaaggagata 300
aagcttcttc tggctgggtg ggctgcttgc tcttgaacct tcagtctatg cacgcaacat 360
gcctttccag ccttctgtgg ttgtagagtg natagaaagc aattggatca ctatngacag 420
cggggtaaaa cttgaggaag caacctccgc caggnggtac atggagganc cctgaannaa 480
aggaanaaaa gggcacangg gcttaatcct gtcttggaat gcttncctnt gcaatggnnc 540
atttcaatgg ccnagccaat tatgccatcc ctgcnttaan accatgggcc ttcnttgnca 600
ttn 603

<210> 86

<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G

<400> 86
actgtaggta tttattaata atagcaatga agatgaaaga gtgatgtatc agagaggtgg 60
agataaaatc agtaaaactt agacactaaa tgatagggga aggtggagga gaggaatgag 120
cctagaaaac ttagaatata atggttctaa aattaaccaa agtaagggac acaggcatta 180
gagtaggttt tgcagagaat gaatgtttta agacacacac aggtgtctct gggacaacca 240
agaaaagtgc aacaggcaga tggattgagg agtctggcta aagataagga tttaggaact 300
gctgaattaa aattacccaa gcgtgagaag tggtgttgtg attaagagag aaaaaaaaaa 360
tggaggtctg aggaatacct ttaanggatt aatgaanang cccaaaggtg gggggtggt 420
caggagtgac ccaaatgtag aagtcaggga ataaacttta aagtnggggt gtcaaaatgc 480
naatccgaaa aaaagtnagt nccttggccg gacccccctag gcgaatccac ccctggngcc 540
gtctanggat ccacttgncc aacttgggaa nntggctnct ttt 583

<210> 87
<211> 332
<212> DNA
<213> Homo sapiens

<400> 87
acgcgggggc attgctagaa gccggcagga gtgactctcg gcatggagga cccatctcct 60
agcacacgtg cccactgaag tggcaccaac agaagtttgg cttgaactaa aggacatttt 120
attttttta ctttagcaca taatttgtat atttgaaaat aatatatatt attttaccta 180
ttagattctg atttgatata caaaggacta agatattttc ttcttgaaga gacttttcga 240
ttagtcctca tatatttatc tactaaaata gagtgtttac catgaacagt gtgttgcttc 300
agactattac aaagacaact ggggcaggta cc 332

<210> 88
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 88
cgaggtacgc ggggacaacc agctgactcc cgtagaggaa gacactgtgg aggccagttc 60
tggagctatt gcagcctcgg ttgcccggcc cgggacccga acccgaaaaa gttatcgtca 120
gaatgtcggg caaagaccga attgaaatct ttccctcgcg aatggcacag accatcatga 180
aggctcgttt aaagggagca cagacaggtc gaaacctcct gaagaaaaaa tctgatgcct 240
taactcttcg atttcgacag atcctaaaga agatnataga gactaaaatg ttgatgggcc 300
aagtgatgag agaagctgcc ttttcactag ctgaagccaa gttcacagca ggtgacttca 360
gcactacagg tattccaaat gtcaataaag ccccagtgaa gattcnagcn aagaaagata 420
tgtacnagtg gtactttgnc ngtatttgaa cattccntga aggactgcng gttttnactg 480

cttgggttaa cccaagtggg gacnnnttgc ttaaattaaa gaggaatctt gcccaancnt 540
gggacttctg gnggaattac ttttttggaa acttttttggn accttggagn aa 592

<210> 89
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(630)
<223> n = A,T,C or G

<400> 89
acgcgggggt ctttgggccg gcgcgaacca tggccggcat ggtggacttc caggatgagg 60
agcaggtcaa gtccttttttg gagaacatgg aggtggagtg caactaccac tgctaccacg 120
agaaggaccc ggacggttgc tatcggctgg tggactattt ggaagggatc cggaagaatt 180
ttgatgaggc tgccaaggtg ttgaagttta actgtgaaga gaaccagcac agtgatagct 240
gctacaaact gggggcctac tatgtgactg gaaaaggtgg tctgacccaa gacctgaaag 300
ctgccccagg tgctttttga tggcgtgtga gaaacctgga aagaaatcaa tagcancatg 360
tcacaacgtt ggccttctgg cacatgatgg acagggtaat gaagatggcn acctgacttt 420
ggaaaaggca aggactacta ccaaaggcct gngatggngg ntatctttca gtgcttnaaa 480
cctaatgcat ttttcttcag ggggcccaag ctttccaagg acatggcctt gcctgtnaat 540
cttcattaaa gccttgacct ggtcatattt ggccttgcca tgcaatccat ttacttggcc 600
ggacacctan gggaatcacc actggggcgt 630

<210> 90
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(653)
<223> n = A,T,C or G

<400> 90
ggtaccactt cactccagcc tggcgacaga gtggaactcc gtctcaaaaa ataaaataaa 60
ataaaataaa gcaaaaatat aaaatgttaa aaaaaaaaca aaaaaaggga aaaaggaagc 120
tgattgcctt ggtgagtcaa cactgggtat tttctgacca ctatttgaaa caaaaaagga 180
aaccactgat attctatgca aagatctgtt cctggaaggc actctgcgga gacaccagga 240
gaacttttat caatccttca ttgatttgaa gtaaaagtgc taaagcaatg gttggtgggt 300
ggcaacccat tagcagatca caaaatcact gtagtgggta actaaacaag aggaaacaca 360
agacggcatc ctgtgtaact ggggttaagc attactctct gaaactcatg gcatcagttt 420
cctcttaggc tcttcccaca aagtataatc atgttcattt cagtttacaa tcccttgcag 480
tcccatcgat ttgtgagaat atcccaagtc atncacagng gagnctggaa atggtcntan 540
ttgtcctgcc cggcngccgt tcnaanggcg aattcaacac actggcngcc gttctaatgg 600
atccaactcg naccaacctg gnggaacatg gctactggtt ctggngnaaa tgn 653

<210> 91
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(657)
<223> n = A,T,C or G

<400> 91
actttttttt ttttttttt ttttttttg ggagaaaagc ctnactccgt tgcccacgtt 60
ggagtgcagt ggcgtggnca tagcttattg catgcagcct naacctccca ggctnaagca 120
atnctccnac ctnnncgtgc tgnnttnntg gaactacnca tncacncnat tatgcccanc 180
tngtngttgt naatttaaag tganaccatg cncncaggnn gnatggcntt nnntancnan 240
catgcatgct cagctgtgta gtgcacgcac aggataaatg gaagggggat ttgatcaggg 300
tttttgtcac atnagcattn naaatccgna ngactgccnt gtgtctgcct ttgnaagggc 360
ctgggagtat tctgtgtagc ctttgnaaat aagggnaaaa tgngcncctg ccaaagaagt 420
cnttgctact ntgggtgngt caaaatntcc ctgtaacttg tcaatggnca caagcttggn 480
ggngtntttg ggntcttggn tgtcnttttn acgtctattg nccatgtggt tcctatatga 540
cacantcctc ntnataatcc ntganaattg ctaannntgcn ctttttttt ttttnanatt 600
nattttgctn ttaaantagc ttaannnctttt ntttatcctn gggcanccna anncaat 657

<210> 92
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(653)
<223> n = A,T,C or G

<400> 92
accataaaac cattaaaagc aataaataac tagagtcatg tgagatgttt caaagactgc 60
tggaggtttc tgtaaaccag ggtaatcaga aatattaccc ttgtagatag ccctctcata 120
ccagtaaata caaagagtta aaattccaat gccacagtgt aacagttaac aatctatttt 180
gtaattttaa atattactac attaattcac cctgagaata cagaggaaac atttaataca 240
agacattctg atatgntttt ttttcccatt gnatttgctt tcttctggnt ttcatcagcc 300
ctttaagggc acagatattt taatttaaag ggtgatttgg atatgctttt ttggtaactg 360
agatttatgc cacagtcaga tactggtgat agaaaagccc aaaaaggntt gnagaaaaga 420
ggcaagcagc aatccccagg cagaaaagac ngaaagtctt gaaaaagaag aggagtaaaa 480
atttttttaa gctgntcaat gccctgtatt tgggnacaag tacctttatt ttcctttagc 540
tganggnant cagagtaacc gaattggnag nnnactattt tcnctggnaa ggaaaataga 600
atttggnaat cccnggaang gtnctngaaa tnnagcccca tccatttgnn gng 653

<210> 93
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(640)
<223> n = A,T,C or G

<400> 93

acagagaaac cacaggttgc cctttccaca gctggataga cttatccaaa acggcaggat 60
ggttctgtat taatcttttt ggaaagcatg tctgtattaa gattgcaaaa catacagata 120
gctaccacaa attaggtcaa acgactgatc aagttgtaac atctgtgagg tcaaattcca 180
aagtgcctag atacacattt atacaacaga ccataagagc tgaattcttt acaaatgtct 240
ttatgggcat gtaaaattga ctctgcattt ctgcatgtgt gcattccata agagagacca 300
gtctgcactg agtcatatat actccaactt gaaaaagtaa gtgnaacaac tggntaatca 360
tgcaagtctg gttgnaatat aacaatgact ggnaaaacat gaattcttcg cacagtagta 420
ataggngcac tnatttaaaa ccctnccgaa aaacctgnat ttggtgcaan atctganttt 480
aagnggtagt aacttgacnt ttaaaaatag tttgaacnat ttanaaaggn aagccaactt 540
ttacttaaaa gaatcccaag tggnaaaanc tggntttcaa tggaatgaac tnggtgngac 600
ctnccctaat nngaccttga gcctatnagc taatntangg 640

<210> 94
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

<400> 94
acgcgggcca agctttttt ttaatttggt gttttctccc atcctttccc tttaaccctc 60
agtatcaagc acaaaaattg atggactgat aaaagaacta tcttagaact cagaagaaga 120
aagaatcaaa ttcataggat aagtcaatac cttaatggtg gtagagcctt tacctgtagc 180
ttgaaagggg aaagattgga ggtaagagag aaaatgaaag aacacctctg ggtccttctg 240
tccagttttc aagcactagt cttactcagc tatccattat agttttgccc ttaagaaagt 300
catgattaac ttatgaaaaa attatttggg gacaggaatg tgataccttc cttggntttt 360
ttttgcaanc ctcaaatcct aacttcctgc cccacaatgg tgagcaggtt cccctgatac 420
ttctttttctt taatgattta actatnaact tgnataaata acttataggg gatagggaaa 480
attcctgaat tccagaatgc catctgntaa aaaagaatnn aaatgggaag tnggactnaa 540
aaggagccaa cagcatgctg cggtggnngn cacttctttg cnctatccca ggaaggaagg 600
tccccatttg gaaaggggtt cttnctcact ggnaccggtt tgacntnatt ggnacncc 658

<210> 95
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 95
actcagactt gatcgattaa tgaagtggtt attttggcct ttgcttgata ttatcaactc 60
actggtaaca acagtattca tgctcatcgt atctgtgttg gcactgatac cagaaaccac 120
aacattgaca gttggtggag gggtgtttgc acttgtgaca gcagtatgct gtcttgccga 180
cggggccctt atttaccgga agcttctgtt caatcccagc ggtccttacc agaaaaagcc 240
tgtgcatgaa aaaaaaagaa gttttgtaat tttatattac ttnttaagtt tgatactaag 300
tattaaacat atttctgnat tcttccaaaa aaaanaaant aatnaantta naanctttta 360
aanatanaaa taaaataata angaccattg ag 392

<210> 96
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(655)
<223> n = A,T,C or G

<400> 96
ggtacaggtt tttatgtgaa catacatttt cattttctgg gataaatgct caaaagggca 60
actgttgggt tgtatggtaa acacatatat ttttgtaaga aactacccta ctctttttcc 120
agagtggctc tacttttttac atacagccac tcatacaatt cagacagcaa tgtatgattg 180
atccagtttc ttcacatcct caccagcatt tggtattact actatttttt atcttaacca 240
ttcacataga tgtgtgtaat gataccacat gtggttttaa tttgcatttc caatggctaa 300
tgatgttgag tatcttttttg tgtgctaatt tgccatctat gtatcctctt cggtgaaatg 360
tcttcatgtc ttttgnctat tttctattta agncatttgg tctttttact attgagtttg 420
agagggtttt tatatatcct agataaaaat cctctggtan anatgtgggt gcctggaatt 480
ttaacataac ttctacccan ggaaaataag taaaatttcc acccttgctg gcnagcctta 540
cttaatnccg gccttaangg tccttctaga gaattaagaa gatttgaggt ttaaatanaa 600
tcagggcntt aaaaagtaat cctaaaatcn ggtttaagca agccatatcc tgggg 655

<210> 97
<211> 224
<212> DNA
<213> Homo sapiens

<400> 97
acaagtttaa ggtaggacgc agcattttat agtgttacgt ccttcctccc cacattcctg 60
tgaggcggaa caagaacaat tacttgaccc tggaggaaga cgacgccttg tggtcaggga 120
gagaacagca gttcatgctg gctgcctcgt ctttccaggc ctgctgctgc ccaggcttct 180
actgaccttg ttaggtctga ttctagaaaa tgaaggcagg tacc 224

<210> 98
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 98
ggtaccacca tgcctggttt attgttttat ttttttggca gagatgggtc tcactgtgtt 60
gcccaggctg atctcaaact cctggcctca agcgatcctc ccatctcagc ctcccaaagt 120
gctgggatta cagacctgag ccaccacacc tgggcaacag agtgaaacct gtccctgttt 180
tcctgctctt actctcacct ctgaggcctc ctctgcctgg aagagattac agggaaattc 240
caggcagccc ttgtcaattg tttttatgaa ttctttacct gttccttta aagacaagga 300
aactgaggcc caaagttcta agttgtttgg caaatggagt ctcctaccct cagctcctgc 360
aaggacctgg gggaccccca ggtccagcag ccacatgatt ctgcacagac agggacctag 420

agcacatctg gatttaagcc caccctggca actggctgct agagactncc aagatgccga 480
taataggatc tgccnttaaa aaatctggat tctggcctgc ntaantgcta cttcatttgg 540
ctacaaagnt ttaaggngga accnttaaaa ccttccccaa aa 582

<210> 99
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

<400> 99
ggtacagtgg tccttttcag agttggactt ctagactcac ctgttctcac tccctgtttt 60
aattcaaccc agccatgcaa tgccaaataa tagaattgct ccctaccagc tgaacaggga 120
ggagtctgtg cagtttctga cacttgttgt tgaacatggc taaatacaat gggtatcgct 180
gagactaagt tgtagaaatt aacaaatgtg ctgcttggtt aaaatggcta cactcatctg 240
actcattctt tattctattt tagttggttt gtatcttgcc taaggtgcgt agtccaactc 300
ttggtattac cctcctaata gtcatactag tagtcatact ccctggtgta gtgtattctc 360
taaaagcttt aaatgtctgc atgcagccag ccatcaaata gtgaatggtc tctctttggc 420
tggaattaca aaactcagag aaaatgtgcc catcangaga acatcataac ccatggaagg 480
atnaaagccc caaatggngg naactgataa tagccctaat ggctttaaga atttgggcac 540
actnttacct aggngaaccc atttganccn anggggctta aaggcttntt acttcaactg 600
aaagttnagg gaaaaaaan 619

<210> 100
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 100
acgcggggga agcaaaggag agggaagctg gaagcacctt tggcccggga cagaaatctg 60
gagagcttgg ctacctccat cctcctcagg ccggagcagg cttcctgaga gagtccaggt 120
cgtaggagtt ttacgactta gaaaagcggg ctgcagattc cttcctgggt gtttggttca 180
agccctggct ccagcctcac tctcagtctt cccgggagtt cgtgggattt ggaccttaga 240
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gcagagggcc atgaggtaga ggctggggaa atgagggctt ggaggtgctt gaggtatggt 360
ctttacctac gtgaaatgtt ggaggttgag atgaaaactc ttgctttgaa atcttcatgg 420
aggactacat catttcaatc ctgaatctgg ctcaattcta ttaatcactt aatacctgga 480
ttaaaaaacg nttaantggg ccaggcncaa tgggtcacgc ctgnaatccc agccntttgg 540
gaggccaagg cangccggat acnttagggc ngnanttnaa accancttgg caaattggga 600
aacccgcntt tntn 614

<210> 101
<211> 625
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(625)
<223> n = A,T,C or G

<400> 101
ggtactttgc ctacggcagc aacctgctga cagagaggat ccacctccga aacccctcgg 60
cggcgttctt ctgtgtggcc cgcctgcagg caagaagggg ttaaaagtgg aatgtatgtt 120
gtaatagaag ttaaagttgc gactcaagaa ggaaaagaaa taacctgtcg aagttatctg 180
atgacaaatt acgaaagtgc tcccnnatcc ccacagtata aaaagattat ttgcatgggt 240
gcaaaagaaa atggtttgcc gntggagtat caagagaagt taaaagcaat agaaccaaat 300
gactatacag gaaaggtctc agaagaaatt gaaagacatc atcaaaaagg ggnaaacaca 360
aactctttag aaccatancn gaatatatct taagggtatt cctatgtgcc taatataata 420
tatttttaac acttgagaac cagggatttt gggggattct ccaacgtttg ttcaatttta 480
agaantggtt tgaaggagtt ttttacttgg gtnattcntg gttttaggat tttnnanngn 540
aanntggntt nggngtttgn nnttttaann gggntntttt ngggtcttna aatttttcca 600
anaaanngtn gnttccttcc cggnn 625

<210> 102
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 102
ggtacaagaa agaaaaaata taaaaacaag tctgctgagt gtcgggagtt ggtgagggat 60
atcctaccat attgtgacgg agtccaaata gaaaacatgc agcaacagtt ctcctgcttt 120
atcagctccc tggaaaataa accagtaacc ctggtagtgc agtaaccatt tggttaacag 180
gacaaacttc ctgatggaca cagatagtaa ttcactgcat ttcccttctc taacttctct 240
cttcacacca attccttttc tttcctttaa gatgggtttc atcctgttga caaaagattt 300
ggttttattt gtaaagtaaa gcagataata tcctgattga agtattcaat gatttaattg 360
aggatgcttg gggatcaaac tttgtaaaaa ggtcaattaa gctagttagc agagactatc 420
agtggcttgc agaaaaaaaa ntcngatata tggtttggta aaangcccaa aggataaccg 480
ngaaaaatcc tanggatacc gggacctaat taatcaaagc canaggggga ccttggttaa 540
anccnttact tnggggangg gctnaanggn ggntccaaac naaattggtt cccaacgggc 600
ccggg 605

<210> 103
<211> 251
<212> DNA
<213> Homo sapiens

<400> 103
acgcgggatt ttacattcca tcttttctga agattgtcct acaatttgga ttttgatcat 60
gacaaagaag attaaaattt cattagcatg aatgcaattt gttaaagcag actgatttgt 120
ttctaagata tttttggttt ttttaaaact gataataatg ctgaattatc ttaagtgaga 180
tgttaagccc actttgttct tttaatgtaa tggagcttat gggtagaaga ccatgtctac 240

taattacaaa a 251

<210> 104
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 104
ttaatcttgc acaaatggca ttttattaaa gaaaatctaa tttacaaagc tttgtaaatt 60
ttaagaaaaa cattcataga tcataaacaa aaatttcaat atgcaatatt caaatttaca 120
agaaaataag cacaaacttt tagacagtgc agttattgct gcactccttt aattccttat 180
ccagagccca aaaaatgtag acaaacccta aaaatgtagc agaagcattt ccgcacactg 240
gtgtccagaa tctagtttgt gcanaaatgt ttccactaga tttatagagt acc 293

<210> 105
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(586)
<223> n = A,T,C or G

<400> 105
acatcatttc tgccatgtgg gacattttct tgggaatata caagtaatac tccatgtagc 60
ctgacaggtc ctcaatggtc acatcatcca cgaagactcg agcttgctca gaacaggatc 120
ggggagagcc agacagagtt ctggcgtgca gcgactgaga gtagtcctca agtgtggatc 180
ttcgttctgg agccaaggga gggacactct gcgggcctga aaaggaatac acttccatat 240
catgccatct cttacactgg cattccttgc ctatgcatgt gcatggcttg ccctggttta 300
gcttggaaac tgattgaaag tcagagagat cactggcttt gagacttgct tgggggactt 360
gggtagccgt cagaggagtc ttccttctta ctctctgatg ggagccttgg aacagaaagt 420
tctcaaangc tnaacgactg gccctggggt gaatagcatc gagagaagta naccttcttc 480
ctgnactgaa ctnttaaggg gatgaaattc ccagccaatg gtggccttan gnnangcaan 540
ntggcttttg gcttgaatta ctggntggaa aaaacctttg gccntt 586

<210> 106
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(644)
<223> n = A,T,C or G

<400> 106
ggtacnttga ttgctcanat ataangaaat ggcccaatga acgtggntgn gggaggggaa 60

anangaaaca gagctagnca tatgtgaatt gntctgtgnn ataaacagt taaaacanac 120
aaanatggnt atttttcttt ncctccggac agtgcacatt atcatntgaa ctacctgggg 180
attctntatc anaactggtc ttgttgaata tttatactta attgaaataa ttccttanng 240
gaggcntgtt taaaacgtat taacaggana ttgtgtntna nacatttaat gaaanacgaa 300
attccacnag aatganntaa gtcactttcc aagtgggtgt cattttgtta aaccctngtt 360
tacctgtttt gctattntta ccntttcatt tggaangatg ntttgagntc gtanttacca 420
gggnaaagac gggttncttc ctngctgnnn cttnagccnn tgctaaaaag cnttaatttt 480
ntgcnattng gnncttcctg ctggtaatcn tggaaaaant gggnnaantc cagctttntt 540
tnttggcngc ccaaaaangg attcnnantn gnnannnaac ctttggttcc ntaannaana 600
aaangtatnc anaangaacc ttgncatgcc ngccnntnta aang 644

<210> 107
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 107
ggtacagact tgccctttga aatctatacc tctggataca ttagaggcat tttattaaca 60
aaggcccttc taaatgtgct atttatttga caataactat cagatttgcc ttaattttgt 120
gtttatagca tttatcaaaa cgtatcctca tagactttat gcagattaat atggtcaatt 180
gatttggata aaagaaagta atttcagggt ttgtttttaa gccaggacaa gaagtgcaaa 240
tgcctctttg aagcaattta ggctaaactg attttgaaat ttcaaaatgt tttattttac 300
tttgttttat taagccagga caagaagtgc aaatgccctc ttttgaagca attcaggcta 360
ggtaaacccg attttggcca tttcaaaacc gtttaattta ctttggttta atatcagagt 420
cttataaaac tgntgncaaa aatttctgaa ggctttngaa aagggttggt agtggaccct 480
gcccgggcgg ccgntcnaag gcgaattcag ccactggcgg ncgtactagg gatnccactc 540
ggacccanct tggcggaatc atgggcataa ctggttcctg ngtgaaatgg gatccgttac 600
aattcccaca acatanng 618

<210> 108
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 108
ggtaccaaag gagaatttgg agagctggct aaattatttg aagaaagaat tgccaacagt 60
ggtgttcaga gcctcaacaa aaccaaagga taaagggaag ataaccaagc gtgtgaaggc 120
aaagaagaat gctgctccat tcagaagtga agtctgcttt gggaaagagg gcctttggaa 180
acttcttgga ggttttcagg aaacttgcag caaagccatt cgggttggag taattggttt 240
cccaaatgtg gggaaaagca gcattatcaa tagcttaaaa caagaacaga tgtgtaatgt 300
tggtgtatcc atggggctta caaggagcat gcaagttgtc ccctttggac aaacagatca 360
caatcataga tagccccgac cttcatcgaa tctncactta attccttctt tgngccttgn 420
ttttgcnaag ttcanccaag gttttgaagt antaaaancc gatggaagct tgccantgcc 480

atcctttcca agcttgatgc ttgacaggta gtancttgnc cgggccggcc gttcnaaagg 540
gcgaattcaa cacactggcn gccgtactat ggatccgagc ttggnccaaa cttgcgtaat 600
catggcatnc tggttcctgg 620

<210> 109
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 109
tttgtatttt tagtagaggc agtgtttcac cgtgttagcc aggatggtct cgatctcctg 60
acctcgtgat ccacccacct cgacctccca aagtgctggg attacaggcg tgagccacca 120
cgcccggcct ctttttttt tagctgccaa tctttttgaa ggaatattct tacctctact 180
ttgtcacctt ctactggctc cttaactaaa atctgccatt tggctctctg gttaacagtc 240
ccttcctgta aagtctaaaa tcttaattct aaatccacag tttaattcac aagctagtac 300
cttggccgng accacgc 317

<210> 110
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(603)
<223> n = A,T,C or G

<400> 110
ggtacattca ggatccctcg gccaaggact ggaccagaag aacacttggg aatcttgggt 60
ccacttatca aaggtgaagt tggtgatatc ctgactgtgg tattcaagaa taatgccagc 120
cgcccctact ctgtgcatgc tcatggagtg ctagaatcta ctactgtctg gccactggct 180
gctgagcctg gtgaggtggt cacttatcag tggaacatcc cagagaggtc tggccctggg 240
cccaatgact ctgcttgtgt ttcctggatc tattattctg cagtggatcc catcaaggac 300
atgtatagtg gcctggtggg gcccttggct atctgccaaa agggcatcct ggaaccccat 360
ggaagaccga gtgacctgga tcnggaattt gcattggtgg tcctgaattt tgatgaaaat 420
aancctggna tttggaagga aatgtgcaac catgggtcca agaatccagc cnnattaacc 480
taccggatga acctttnttg gaaaccataa aatgcctgca atcaatggga acttttcca 540
accttanggg cttaccatga ccttgcccgg ccggccnttt aaanggccaa ttccaccccc 600
tgg 603

<210> 111
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)

<223> n = A,T,C or G

<400> 111
acatttaagt tcccatgtta cagaatccca tattgtgact atttcctcaa aactaactgc 60
tagtaaagaa ccatcttcgg agaaacaaca gttagttgct tgatacttgt gataactacc 120
aacaaagtca caggtccagc caacagcttt tttgtatatg tcagagtcat ctgttaatat 180
ccatactttg aagtaaccat ctttgctagc tgtaaccaag gtgggctgtt cagatttttc 240
tgcattacag aaacagagag ctgtaatgca gtcttcgtgt ggcatgttaa ttttagtgtt 300
aagaataaac ccttgtgttt tcttattata catccacagt ttcatttgca attcaagctc 360
aagtttcctt ttcttgccgc tggtccactg gtgcaagcca gttaccaaag cagccaatgc 420
aagccttggt aagtcaattt ggatcaganc ataatcanta atatatcctg ctggataata 480
ctaaattgga tactggntat cactntggag agaataaact gcaggtggcn ggntttcatt 540
caaaccaagc tttagtcttg gacaatcatn aaccagngaa atactcctat ntttn 595

<210> 112
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 112
acaagagcta ttagagatgc tgccatatgg atgggcaaaa ctgagccaat cccacttagg 60
aatggaaggc ttggacatgg aagggaggat ataaacgagg agttggagaa aaacgcaagc 120
ccagtttttg ctagagtgga aatgaaagtg ggaatgaggg tcttgttttt agtcctctaa 180
ggaccaggaa gcaattttaa aacttccttg gtttttctga aagcagcata ttcaaaatgc 240
cagcaaaaac tcctaacaac tgcaaaacca aaagaggatc aaagctcacc aacatccctt 300
cttattgctg aaaggctcta aaattcagga tgccctgttc ccttgtaaaa gggaaaataa 360
ttaaagtctg atttatggta atcataccac atcacacttc taaaaaaata tttcaagtgt 420
gtgaccaggg gaccgtttga ccnccatttt attaaccttc actttantgg gaaaaataaa 480
acctttttcca gggccatttn atnccaggac ttttagtagg ggg 523

<210> 113
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 113
acagtgtaaa taactaagtt gttaactgtc aagtccagtt atgtattctg taagttgtgt 60
tctagtcttt gactaaaatt tatcatctct tataatggga cttaatcttt ctctaaaagc 120
atataagagc ttgtcaatag agcaatcaat caaaaagatt ttgtgattca taacattgaa 180
gttagtctgg ttaagagttt tggtttagac ttcatttata ttttccttac taatatctaa 240
tatttaatga ataatgatca atttttttata aagttattaa tatgatcagg gaaacctttg 300
ggacttctga caggcatctg gtgaagagac aattcaagcc ttagtgacta tttagaatag 360
ccagtgatca ctagctaatt ctcatatcca tgccttttt gccctggtta cagtcttaaa 420

agaggtaaaa cagcaaatac ttttttaag ggaactataa ccctangtat tcctgaaaag 480
aatttcaaaa aaaataagac cctgtggcca tggngnccaa acntaagacc tactatggct 540
atattggtcc attaaaaata aattactact aatccaaa 578

<210> 114
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 114
acggtagtaa gaaacctttg agatctttct gacttttcaa aattagagaa agcaaatggg 60
atggatagat ttttttttc ttttcaaggg gggcaggaag gtaatggttt gagtagcctt 120
tgtttaaaaa aaaactaaat atatttaaaa ggccacattt atatttttt cacaagaacc 180
acataataaa ttccacttct tgacctgaat ttggaaatcc gaaattacta atccaggcca 240
ggtgtggtgg ctcatgcctg taatcccagc actttgagag gccgaggtgg gcagatcact 300
tgaggcctgg agttcaagac caccttggcg aacacggtga aaccccgtct ctacgaaaaa 360
aaaaanatat aaaaaaagta ctggttatta accaaccagc ttagaaaaat aatcatggtn 420
gacacnttan ttcattcttc taaaagcctg ttgatctggg ccttcctgtt gccagcattt 480
ccccttttc aaaaatgggg ggccttttct ttaattnnac ctcgtggngn aananaattt 540
gaagggcccc aggaagttnt ttgggcnctt tgaagcgttt tncacncgtn tagattctnt 600
gattaaatcc tcc 613

<210> 115
<211> 190
<212> DNA
<213> Homo sapiens

<400> 115
ggtacattgc cactgagtaa agagtggcac cagccacggt ggtaggtgga agaaacatag 60
atcccaatga ggacacaaag acgagaccca ggcccactcc caggggtgca cccatgttca 120
gaaacttttc actgggcgca cacatggcca cagtggagag gcctcccaca atgccagctg 180
tgtacttttt 190

<210> 116
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

<400> 116
ggtactcttg gtttatcaat gggacgttcc agcaatccac acaagagctc tttatcccca 60
acatcactgt gaataatagc ggatcctata tgtgccaagc ccataactca gccactggcc 120
tcaataggac cacagtcacg atgatcacag tctctggaag tgctcctgtc ctctcagctg 180
tggccaccgt cggcatcacg attggagtgc tggccagggt ggctctgata tagcagccct 240

ggtgtatttt cgatatttca ggaagactgg cagattggac cagaccctga attcttctag 300
ctcctncaat cccattttat cccatggaac cactaaaaac aaggtctgct ctgctcctga 360
gccctatatg ctggagatgg acaactcaat gaaaatttaa agggaaaacc cttangcctg 420
aaggtgtgtg ccacttcaga gactttacct taacttgaga cngntcaaac ttgcaaacca 480
tggngnggaa atttgccgaa ctttacactt tgggcaggtt ttttcccaga agtcanaaca 540
agaactcctn ntcttganaa gggttttanc ccctttnaat ggccttgctt atgctgcctt 600
tttcgtttgg 610

<210> 117
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 117
ggtacgcggg gggtattatt tgtgccaacc aatgatgctt ttaagggaat gactagtgaa 60
gaaaaagaaa ttctgatacg ggacaaaaat gctcttcaaa acatcattct ttatcacctg 120
acaccaggag ttttcattgg aaaaggattt gaacctggtg ttactaacat tttaaagacc 180
acacaaggaa gcaaaatctt tctgaaagaa gtaaatgata cacttctggt gaatgaattg 240
aaatcaaaag aatctgacat catgacaaca aatggtgtaa ttcatgttgt agataaactc 300
ctctatccag cagacacacc tgttggaaat gatcaactgc tggaaatact taataaatta 360
atcaaatcat ccaaattaag tttgttcgtg gtagcacctt caaagaaaat ccccgtgact 420
gctatagacc cacactaacc aaaggtcaaa attgaaaggt gacctgaatt cagactggat 480
taaagaaagg tgaaaccatt actgaaagtg gatncatggg gaagccattt tttaaaaaat 540
nccccaaanc attgatggga attccttnng gaaatacttg aaaggaaccn nnnnagacca 600
atcnttcc 608

<210> 118
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 118
actccactta gcaaatgccc tgccagcaaa gtcacagatg acttttttac ccaatcttag 60
gtaaatctgg attatctgcc caaccgtgca agtcaataag ccacccttga aaactgtgtc 120
aagatttgag gaaacaggtc ttaagaacct atccaacaca tgattccata accaatacat 180
cttangttgt tttaggcaaa taggtgtatc tcttgaatca ctgatggatt caatatcaag 240
atctataatt ttcacgttta aaatttactc tgccgaggac attttattgg taaagcataa 300
accagttagt ttgacagaca cnaaaaagaa aacnaaatgt tcacagtcct atcttcgtag 360
ggattcttgg ctataaaaat tggcttcagg ttcaaggtct tagaccactc ttctaaggct 420
nctactggat atantantta ccacttgggg nccaaactta aaacctcntg gacttttttcc 480
ccttanggac nangaaaaac caaggggttg tggtttgaac tccntacact tggngnnaaa 540
nctttttcttg gnngnatnta aanattaagg ggcttttn 578

<210> 119
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(584)
<223> n = A,T,C or G

<400> 119
actgtcttag aatattattt atttttttgt atttgtaaat ctgtggacaa aagagggttt 60
cctcactcct tttactcact gggctcatga cagtgaagga gatgctccat ctgcttctcc 120
ccctttctct tgctgtagtc caatgtgcta tgagcatcag cttactttgc cacttagagc 180
aagcaaaacc cagtgcaaga gtctcgttca gctctaaata ggtttgcttt cttttagtta 240
cagtgcccat tttgaaattg cctatacagt cttagtgacc atttaaaccg gacgaactan 300
gcgtttaatt ttcacttctt catgttnaat tngcagttca anatttatag naagatggnt 360
atttcgaaaa nacaaaaaan tggntttta anaaaanaag tncnttggtc ggcgaancan 420
gcntaagggg cgaatttcca gcncaactgg gcnggcccgt nncntagngg atccccaacc 480
tttggtaccc angcttnggc nntaancaat tggnccanag nttgtttccc tggggtgaaa 540
antngtnatc ccgttcccaa ttcccnnaca ncnnaccnng cccg 584

<210> 120
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 120
acgcgggggc cgtagcagcc gccgcccatc cctctttgtg tgctttggaa agccgcggag 60
ctggtggtgg ctacagttgg tgttgggggc ttaggcgagg gacgttaccg ggaagttgca 120
ggcgggagga ctcttcccca tccagtcacc tgacaggtca caaacatgtc agacaaaagt 180
gaattaaagg ctgagttgga acgtaagaag cagcgactgg cccaaatcag agaggaaaag 240
aagagaaaag aagangaagg gaaaaaaaaa gaaacagacc anaataagga agctgttgct 300
cctgtgcaag aagaatcaga tctttgaaaa aaaaaggaga gaagctnaaa gcatttgctt 360
caaagcatgg ggctaacttc agaaatcccc ccattggncc ttcctnctaa tncttncatn 420
ccttcaaaat ctgtggagcc ctttccaagg tgaaacttgn aannccaaga antntggaaa 480
atggcnccct tggggaatct agaccnaggg ncctttttna accttggaat ngnttaaaaa 540
tcacnccaag nttgactttt ccttccttcg anaaaattgg gtcccnn 587

<210> 121
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 121
ggtactcttg gtttatcaat gggacgttcc agcaatccac acaagagctc tttatcccca 60
acatcactgt gaataatagc ggatcctata tgtgccaagc ccataactca gccactggcc 120
tcaataggac cacagtcacg atgatcacag tctctggaag tgctcctgtc ctctcagctg 180
tggccaccgt cggcatcacg attggagtgc tggccagggt ggctctgata tagcagccct 240
ggtgtatttt cgatatttca ggaagactgg cagattggac cagaccctga attcttctag 300
ctcctncaat cccattttat cccatggaac cactaanaac aaggtctgct ctgcttctga 360
agncctatat gctggagatg gacaacttaa tgaaanattt aaanggggaa aacccttaag 420
ccttgaggtg tgtgnccact tcanaggact ttaaccttaa ctttgagacc aggtcaacct 480
ggnaanccct tggtggagaa attggccgaa cttcccnact ttggccaggn ttttcccang 540
antgtcaaan caagacttcc ttatcatgnn 570

<210> 122
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(551)
<223> n = A,T,C or G

<400> 122
actatctcta ttcaggatta tgaagttttt cgatgcgaag attcactgga tgaaagaaag 60
ataaaagggg tcattgagct caggaagagc ttactgtctg ccttgagaac ttatgaacca 120
tatggatccc tggttcaaca aatacgaatt ctgctgctgg gtccaattgg agctgggaag 180
tccagctttt tcaactcagt gaggtctgtt ttccaagggc atgtaacgca tcaggctttg 240
gtgggcacta atacaactgg gatatctgag aagtatagga catactctat tagagacggn 300
aaagatggca aatacctgcc cgtttattct gtgtgactca ctggggctga gtgagaaaga 360
aggcggnctg tgcagggatg acatattcta tatctttgac ggtaaccatt cgtgatagat 420
nccagtttaa ttcccatgga atcaaatcaa attaaatcat catgactacc ttggttcccc 480
atcggttgaa gggacngnat tcattggggn ggcattggat ttgatnncna gntttattca 540
atactttctc n 551

<210> 123
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G

<400> 123
acttaataca tattttcaaa cctgtttgca tttcaaacaa agttagcgtt tttgtaaatc 60
aaatttgata acccgactaa aaatattttc cagctttatt atttaaggag ctgcacagcc 120
tttaaagtgg ggaccaggag gcaggcagag gcagagagac tgaatgcacc caggactgcg 180
cagcagtcta cagcaacatg tcccacaact ttggtgctgg aaacacaagt aatgcacaag 240
acagctgccc tccagtgtca ggatcctgtg aaacagcata tcaaaagatc gccagcttct 300
tataatttac acactttcat ttaggattgc ttttttgaag aaaaatcttt aagaatgcca 360
tttttaattt aatatccaga accctggaat ttaaaaaaac ctaatngaaa ggaaattaac 420

tggtaccatc aaaaatgg ntgntggttg gancntgtgt gaagtt g aattctatgg 480
ctttttttaa gatgccccgg aaaatttaac cccttaatng cangtttaat ttngaattcn 540
cnccaggtan tgtatgtnng gctcanatta gtanc 575

<210> 124
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 124
actgagacaa tggttagggt tgttttctta attcttttcc tggtagggca acaagaacca 60
tttccaatct agaggaaagc tccccagcat tgcttgctcc tgggcaaaca ttgctcttga 120
gttaagtgac ctaattcccc tgggagacat acgcatcaac tgtggaggtc cgaggggatg 180
agaagggata cccaccacct ttcaagggtc acaagctcac tctctgacaa gtcataatag 240
ggacactgct tctatccctc caatggagag attctggnaa cctttgaaca gcccagagct 300
tgcaanctag ccttacccaa aangactgga aangagacat atctntcaag ctttttcag 360
gaangcgtnc ctgggaatcc aaggaacttt ttgatgctaa ttanaaangc ttgggactta 420
aaaatgtccn ctanggngtg gcacttttac angttttgg aangcttnga aggcaganng 480
gggtcnaana ntnaaaanac nnttgacntg ntaatannng aatantangg cnaatggaaa 540
ctgngttggg ggaggatcaa tttaaagagg 570

<210> 125
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 125
ggtacagaga tttaaatgaa atcttcgaaa gaataaattt gctttcagt ccactgtatt 60
ttcaaaattg attatcacca agcttggatg aaagctgtga accacaaacc atttgtttat 120
ttaatagaaa aaagaatgtg tagattatta gcaaagtaat gccttaaaat gtatcttcac 180
acagttgaaa ttttagtata aacttgtata tcaagttgct ttccattatt tattctactt 240
taaaaatata tacaactatg atgttcaaat atgtattctg agccattatg ttcaaacata 300
aatatctggg aaattcaaac tgctgcaaca agttaggaaa ggattaagga aaaatgatga 360
gctacaaatt atgtagttgg aggaagaaaa aaatgttact tagcatttat gtctggatag 420
gtatgtattt tctaatttac atacacatat ccagttgagt atagaccacc atcaaaatgt 480
accagttaca cagagactag actaaaccac cctatttcta tacaggtacc atagtggatt 540
caaaaattta atatctcata gttcccaaaa ttattgnggn aatatgctna ttt 593

<210> 126
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 126
acgcgggggg gccttccggg acgagggcgc gtgggtgagg aaggtcaggt ctaggaactc 60
taactccttg ccactcaaga aatgtcctcc ctttcagaat atgccttccg catgtctcgt 120
ctcagtgccc ggctatttgg tgaagtcacc aggcctacta attccaagtc tatgaaagtg 180
gtgaaactgt ttagtgaact gcccttggcc aagaagaagg agacttatga ttggtatcca 240
aatcaccaca cttacgctga actcatgcag acgctccgat ttcttggact ctacagagat 300
gagcatcagg attttatgga tgagcaaaaa cgactaaaga agcttcgtgg aaaggagaaa 360
ccaaagaaag gagaagggaa aagagcagca aaaaggaaat agtgttggtc ccttcaagag 420
ggagactttc ttcctaatgg ccggaaagaa gaaagtgcat ttattggctt tccacatatt 480
ggaggaatgt catcttccta aatgaagttt atttggagga acacagtcat ttccttggtg 540
aaactaatcc ggtacattgn ggttgggttt ttgaacacat ctactgggca aa 592

<210> 127
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

<400> 127
acagtggtcc ttttcagagt tggacttcta gactcacctg ttctcactcc ctgttttaat 60
tcaacccagc catgcaatgc caaataatag aattgctccc taccagctga acagggagga 120
gtctgtgcag tttctgacac ttgttgttga acatggctaa atacaatggg tatcgctgag 180
actaagttgt agaaattaac aaatgtgctg cttggttaaa atggctacac tcatctgact 240
cattctttat tctattttag ttggtttgta tcttgcctaa ggtgcgtagt ccaactcttg 300
gtattaccct cctaatagtc atactagtag tcatactccc tggtgtagtg tattctctaa 360
aaagctttaa atgtctgcat tgcanccagc catcaaatag tgaatgggct ctcttttggc 420
ntggaattcc aaaacntcag agaaatggtg tcatcaagga gaaccttcat aacccentga 480
anggattaaa aagccccaaa tgggggggaac tgataatagc acttaaggct ttaagaattg 540
gncacanttt caccttgtga acccattnna cnatngngcc taanngctnc ctnctncaan 600

<210> 128
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(588)
<223> n = A,T,C or G

<400> 128
ggtacttttt ttttttttt ttttttttt ttttttgag acggagtctc actctgtcac 60
ccaggctgga gtgcagtggc atgatcttgg ctcactgcaa gctctgcctc ctgggttcac 120
gccattctcc tgcctcagcc tcctgagtag ctgggactac aggcgtccgc caccacgccc 180

agctaatttt ttgtattttt ggtananaca gggtttcacc gngttagcca ggatggnctc 240
catctcctga cctcgtgatc tgcccacctn ggccttccaa agtgctggga ttacaggcat 300
gagccacggc gcctggccag gatggtatat ttttaactcc ttcactgggc cccacccctg 360
actttctgct ttangaggtc tggggtgagg ctgaanatct gggggccaca cttcgagagc 420
aaccaagact gtaagtgggg ccttccanag cccaatgaag ggaatactta ggtacaggan 480
gtgtctgcat ggncncangt gtggggtttn cttctcggcc ttaaccagaa agtatctctg 540
gttttaattt taaaatgaaa attttaaagg gtgnctgaaa cnaattgg 588

<210> 129
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(588)
<223> n = A,T,C or G

<400> 129
ggtactgccc tctccagatc agcagttcag gagagcacag gaggcaaaac acagattgct 60
gggcttattg gtgccatcat cgtgctgatg gtcgttctag ccattggatt tctcctggcg 120
cctctacaaa agtccgtcct ggcagcttta gcattgggaa acttaaaggg aatgctgatg 180
cagtttgctg aaataggcag attgtggcga aaggacaaat atgattgttt aatttggatc 240
atgaccttca tcttcaccat tgtcctggga ctcgggttag gcctggcagc tagtgtggca 300
tttcaactgc taaccatcgt gttcaggacc caatttccaa aatgcagcac gctggctaat 360
attggaagaa ccaacatcta taagaataaa aaagattatt atgatatgta tgagccagaa 420
ggagtgaaaa ttttcagatg tccatctcct atctactttg caaacattgg tttctttagg 480
cggaacttat cgatgctgnt ggctttagtc ccttcgaatt tacgcaagcg cacaaacttt 540
gaggaaaatc cgaaactgcn aagcaagntt gntacaagtg acccaaan 588

<210> 130
<211> 190
<212> DNA
<213> Homo sapiens

<400> 130
ggtacaaaaa aaaccttaca taaattaaga atgaatacat ttacaggcgt aaatgcaaac 60
cgcttccaat tcaaagcaag taacagccca cggtgttctg gccaaagaca tcagctaaga 120
aaggaaactg ggtcctacgg cttggacttt ccaaccctga cagacccgca agaccccgcg 180
tacttttttt 190

<210> 131
<211> 386
<212> DNA
<213> Homo sapiens

<400> 131
ggtacagaac tcagaggaaa aaagaaatta aattttagct ttctggagag cagcccctct 60
ctggcaccat caaacacttc tttgtttccc ttcaacttgg aactcttcaa acatcagggg 120
ttgtgagggt ttggccattc ttttatcttg ggtccatgtg agtgacagaa atggtgcggc 180
ctgggaaaga tctccctcct ttacattttc tcttctccct cctcctcctt attctaaaac 240
tgtgcctcca acagaggggc aggggctctt gtagagagat ccctggccca ggacaggaga 300
tgccaaatct aatttatctc actgagggcc tttgagaaaa acgcttcagg gccaggctca 360

gtggctcatg cctatataat cccagt 386

<210> 132
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 132
actgagacaa tggttagggt tgttttctta attcttttcc tggtagggca acaagaacca 60
tttccaatct agaggaaagc tccccagcat tgcttgctcc tgggcaaaca ttgctcttga 120
gttaagtgac ctaattcccc tgggagacat acgcatcaac tgtggaggtc cgaggggatg 180
agaagggata cccaccacct ttcaagggtc acaagctcac tctctgacaa gtcagaatag 240
ggacactgct tctatccctc caatggagag attctggcaa cctttgaaca gcccagagct 300
tgcaacctag cctcacccaa gaagactgga aagagacata tctctcagct ttttcaggag 360
gcgtgcctgg gaatccagga acttttttgat gctaattaga aggcctggac taaaaatgtc 420
actatngggt gcactctaca gtttttgaaa tgctaggang cagaagggca aaaataaaaa 480
acatgacctg gttgaaggaa naaaagcaaa gaaacttggg ngggaggaca attaaaaaga 540
gnncctggga tcccctnttc ttaggtccct ctcttacnaa ggacnctntt tat 593

<210> 133
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(588)
<223> n = A,T,C or G

<400> 133
acagancatt nnnagcnctn gcacaggnta cagaacctna cagacccaaa ggaacatcgg 60
ataggcnaag cgactacagg aggcgtgtgt gcgcttgggc naggtaaaca gggtcagtat 120
tggtcnngtg acaagagnca cgaantctgg ccngacantg angtnaanaa ggttnatnnt 180
ttnacantta tnnnanatat nnnnnaannt attaanctgc ancanntgat tttnacacct 240
anttactaga aaactaanga aagcactnat tagctctgaa tnaantnaca tggnaagcct 300
tttactaatc tncaaanaaa ccttctctgc antatnnnaa agattttatn atacaangng 360
gnnnatcnct cnatcatann gggttctatt ananaaccct gctaantntg cgacttacag 420
aacanccagc ntananatga ntttcatgcc catttgggaa gcatngcccg ggtatcacaa 480
aggaaaccta ctaaagnttt ctgttatacc agccttcntt cntatcantg catgngnana 540
nanaaccntt gaaggttntc cnggggactt tnttctnttn ctttgccc 588

<210> 134
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(618)
<223> n = A,T,C or G

<400> 134
tcnagcggcc nnccnggcag gtacantcac annttnnang anctnaacac anactanctg 60
nngtcaaata ttnaacaaaa gcantagatg aanctgctta acattcacgg aaaaacaacc 120
aaaagaaggg aggggtgata aaccanaaaa atgantgacn aaaactaaga gacctcatan 180
gngtctttac aatcnggaat tcagatgcaa ggaacagacn caaanctgtc taaaatgtna 240
cctatgaggc nacanaaagt gacttaaagt ctggtntnan taaaaaatga caacccttat 300
cctagagagt cttacnttat ttaatccana cnttatntaa cgccncngat ttttgnttgg 360
ngctatggng ttnatttttnt atcagaanga antgtgggac anatgcatta ctgnttgttn 420
aaagngcttn acagctaatt cacncccnng ggcatggtca aaaaggnaan aaccnggnca 480
tatattgntg anatgaaaaa accacntgtt aaaaaaataa ntgnagccna ntgngttttn 540
natgataacc aaatnttnac nttcagtann ngccttttan aagttggtga actccgaaat 600
ctnctttttt aaaccngg 618

<210> 135
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

<400> 135
actttttttt ttttttttnt ttttttttng gggatggagt ctcactctgt tgtccaggtt 60
ggagtgcagt ggtgtgatct cggctcactg caacctntgc ctcccaagtg attctcctgg 120
ctcancctcc tgagtagctg ggactacagg catgcactac catgcccggc taatttttgt 180
atttttagta nanacagggt ttcaccatgt tggccaggct ggtcttgatc tcctaatctc 240
aggtgatccg cctgcctcan cctcctaaag tgctgggatt acaggcatga gccactgtgt 300
ntggccaana ncactcgtaa gaaggatggc agtatcacaa aatcaagcca gagatacaga 360
gattacccgc gtcc 374

<210> 136
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

<400> 136
actccagcct tgctgaagct gcctcaaagg ctgatggttt ggcagttatt ggtgttttga 60
tgaaggttgg tgaggccaac ccaaagctgc agaaagtact tgatgccctc caagcaatta 120
aaaccaaggg caaacgagcc ccattcacaa attttgaccc ctctactctc cttccttcat 180
ccctggattt ctggacctac cctggctctc tgactcatcc tcctctttat gagagtgtaa 240
cttggatcat ctgtaaggag agcatcagtg tcagctcaga gcagctggca caattccgca 300
gccttctatc aaatgttgaa ggtgataacg ctgtccccat gcagcacaac aaccgccaac 360
ccaacctctg aagggcagaa caagtgagag cttcattttg atgattctga gaagaaactt 420

gtncttctca agaacacaac cctgcttctg acataatnca ataaaataat aattttaaaa 480
aataaattat ttcaatatta ncaagacaca tgccttnaat natctgtaaa ctaaaaacta 540
aaatttantc tactgnttaa tcnaanataa taatagcttc a 581

<210> 137
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(504)
<223> n = A,T,C or G

<400> 137
ttttncaaan nnaagttttt tacttccnaa aantnatggc taaggggngg gnggngggng 60
aaaaaagnaa aacaaaaaaa ccccaaaaaa atggggnggn naaaaggggg gganaaaaaa 120
ccnntntttt ntaaantntn acaaggcaag ngcnnangga aaaaaaaaan ncctgnaaaa 180
tccccncngg nnggggnaaa natnnnggtt tccttttgnt ttnaaacccn ntnangnaag 240
gntntccccc ntncccctna atnaaaaatt tntntnccng ggccnnaacc nccntanggg 300
naaattccac cncnctgggg gccgttanta agggatccna gctnggccca ancttggnga 360
aacatggcaa aactgttcct nnggnaaaat gtttcccctc anaattccca naaaataaaa 420
ccggaacata aagngaaaac cngggggcct aagngggncn cacnccattt attggggtgg 480
cccncgnccc tttcaaangg aaac 504

<210> 138
<211> 386
<212> DNA
<213> Homo sapiens

<400> 138
acaacaaata acactgtgac tccaacctca caacctgtgc gaaagtctac ctttgatgca 60
gccagtttca ttggaggaat tgtcctggtc ttgggtgtgc aggctgtaat tttctttctt 120
tataaattct gcaaatctaa agaacgaaat taccacactc tgtaaacaga cccattgaat 180
taataaggac tggtgattca tttgtgtaac tcactgaagc caaaatacta tcttttaaga 240
tgtcccacat ggaagacgct attccaggat ctttaaattt ccatggatgc atataggatg 300
tttgggagca tcatccgtga agaaaaaatc aattaaatca ttgtgttcaa caggaatatt 360
taaaataaaa aaaaaaaaaa agtacc 386

<210> 139
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(586)
<223> n = A,T,C or G

<400> 139
ggtactcaag tttataatgt ccccaaacct taagactaga aaatcatccc aagaaaaagg 60
cctatagttg gtttaatttc accctgagaa tactgtgata aaaatcaata tatttcagag 120
ctagtaagta tttaaaaatt agtgtctcaa aaaggggaca tcataaggga aatacagggt 180

ttagaggtct gagctcaagt ggtgtaagac agttctttct tcttcctcct ttaaactctt 240
cactttgctc taacacggaa gatgggggac agtgatcccg aaggtattac taaaatattg 300
cagctttcag taattatgag aagcacagat atcaccagaa aagaaagcaa tcatttggag 360
tactaagaaa cgaaacaatg ttatttggtg gtgtataatt ctacttttct agtagattac 420
tgngtggaat tctgtgaaaa atatttgaga aaangcctgt attgcataaa taaatctttg 480
tatgttgcaa aaaaaaaaaa aaaaaaaagt acctgccggc cgncccaang gcgaattcca 540
cacctgcggc cgtctagngg tccacccggt ccacttgggt atatgg 586

<210> 140
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 140
acagggagga atttgaagta gatagaaacc gacctggatt actccggtct gaactcagat 60
cacgtaggac tttaatcgtt gaacaaacga acctttaata gcggctgcac catcgggatg 120
tccctgnacc aaccttcaag gccnaaaccc nnntggtgnn tttggnctnt aaatnaggat 180
ggccctgtnt tccntaggta acttgttccg ttggtcaagt tattggatca attgagtata 240
gtagttcgct ttgactggtg aagtcttnac cnngtccntt tngngtgggg ttttttttagg 300
naaaagnctt ttggtncatt nntgggggggg gnaggggact gaacctttat tntttccaaa 360
tncaccttaa antcagggac aanaaacatt ccaanaacca caatctttta aaaaattaac 420
tngccagtgg gaatgtttaa aaannntnaan ggtctttttt gccttggttt ttgtgggggt 480
ctctcttccc ccccctgggg ttaatttttn aagccgggac ctcncnaana ccccttttt 540
caaagggccc naaacccccc.cccccnaaaa aaaaaaaaaa aaaaaaaanc n 591

<210> 141
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 141
ggtacacaaa ccaagacaat atcagggtga caggtgaatg aacttaaatt ctcagtcttg 60
tctattcacc aaaaaagtat actgcctgtt ttttctttaa ttattcaagg ttgatgactt 120
ttaggaacat gttttatact gtatttttta attaaagcaa gtgccttgat gtaattccat 180
gtaaatcatt gcttaaccct cttatgggat gaggatgagt tattaatgta ttgcagccta 240
ctggaaagga gggggagttg gttaatagca gatacttttc ttctagaagc ttatgtttta 300
tgctgtttat tatgtaagat cctgtatgtg tgttgagatt tagaggtttc atttgttttg 360
tctgctaata aattgttact ctaataataa ccnngnnaaa naaannnnnn nnnnnnnnnn 420
nnnannnggt ncctgcccng gcggccgctc gaaagggcga attccancca ctggcnggcg 480
gtactaaggg gatccgnctc gggncccaac ttggcgtaat atnggcatac tggttcccgg 540
gngaaatggt atncgtcaaa ttccccaaat acnaccggaa ncttaagggt aa 592

<210> 142

<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 142
acaacacctt cattcttaat gcttcttagg gcatcacagg ttttagaaat taatgtattt 60
ttagcattcc acagtaatga tcactttcaa aaactgcaat atacatctgc atgttacact 120
gacatacaac acataagtat tttgtcacac atcaactttt agcctcaaat aatagaatac 180
aaaaagctac actggacata acaccaccga acttttgaat atccccttt cccaattgtt 240
aacaggtagt actgggatta caggcgtgag cctctgcgcc tggccaagtg gaggttatta 300
ttaaccctat ttaacagata taaaaagaag agattagaga attttatcaa tgttcccact 360
gtcaaataga atataagcaa tgatacaaaa tgttgagtct tcatcctcta actccagatc 420
ctggtatatt gccctacatt tctatacatt aatactaact tatacactga atacaagagt 480
naaaccaact gtcngggctt aatanggnga aaatgctctt gncctaaanc accagggtgg 540
ctnggtttat tcctacatgt ggactaaaan gnaatcatct ttatggcngg aaana 595

<210> 143
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 143
actactcgat tgtcaacgtc aaggagtcgc aggtcgcctg gttctaggaa taatggggga 60
agtatgtagg agttgaagat tagtccgccg tagtcggtgt actcgtgtga agttggcagg 120
gacggttcct gtcatcttct tgggcttatt tggtgtgctg ttgaaggggg gagactagag 180
aaatggcagg gaacctctta tccggggcag gtaggcgcct gtgggactgg gtgcctctgg 240
cgtgcagaag cttctctctt ggtgtgccta gattgatcgg tataaggctc actctcccgc 300
cccccaaagt ggttgatcgt tggaacgaaa aaagggccat gttcggagtg tatgacaaca 360
tcgggatcct gggaaacttt gaaaagcacc ccaaagaact gatcangggg cccatatgct 420
tcgaggntgg aaanggaatg aattgcaacg ttgtattccn aaagaagaaa atggttggaa 480
gtaaaatgtt ccttatgacc tcncaacctt ataaacncat ccgtttnttt acaaccntta 540
accacatggg aagttcattn aaaaaaactg aaaactttgn aaagnttttt ttnnccttga 600
aaagggaact tacctcgccc 620

<210> 144
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 144
cgaggtactt ttttttttt ttttttttt ggggtcagtg gtgatatccc cctaatcaat 60
tctgattgng ttccttttaa tcttctctca tttctttttt attagactag atagtgattt 120
atctatttta ttaatttttt caaaaaatca cctcctanat ttgttgtttt ttaaggggtt 180
ttatgtctct atctccttca gttcaactct gatcttggnt atttcttgnc ttctgctaga 240
tttggggttt gntttctgnt ggntctctaa gttctttttg ntgngacatt agattgncaa 300
cttaaaatct ttctagctat ttgacgtggg catttaatgc tataaatttc ctggtaacac 360
tgctttcgct gtatnccana naatctggga tggtggggcc ttggtttcaa taanttccaa 420
tacctcttaa gggggnggag ccaanaagan ctaatagggg cagcactgct ctgggctncc 480
atcaanaagg acaaaaactg ggagngaccc tgcttnttca ctgaggnacc ggcccggccg 540
gccgtccnaa ggcgaatcca cncnctggcg gccgtctatg gatccacccg gnccaactgg 600
ggaatatggc aaa 613

<210> 145
<211> 345
<212> DNA
<213> Homo sapiens

<400> 145
acactgatct acaaaaattt taaaatgagc cgggcgcggt gactcacgcc tgtaatccca 60
gcactttggg aggccaaagc aggcggatca tgaggtcagg agatcaagac catcctggct 120
aacacggtga aaccccgtct ctactaaaaa tacaaaaaat tagccgggtg tggtggcggg 180
cacctgtagt cccagctact cgggaggctg aggcaggaga atggcgtgaa gccgggaggt 240
ggagcttgca gtgagccgag atcacaccac tgcactccag cctgggcaac aaagcaagac 300
tctcaaaaaa gaaaaaaatt ttttttaaa tgagctgggt gtacc 345

<210> 146
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 146
actacaaggt ttagcatttg ctctgctggt cgacattccc ccagtctatg ggttgtatgc 60
atccttttc ccagccataa tctacctttt cttcggcact tccagacaca tatccgtggg 120
tccgtttccg attctgagta tgatggtggg actagcagtt tcaggagcag tttcaaaagc 180
agtcccagat cgcaatgcaa ctactttggg attgcctaac aactcgaata attcttcact 240
actggatgac gagagggtga gggtggcggc ggcggcatca gtcacagtgc tttctggaat 300
catccagttg gcttttggga ttctgcggat tggatttgta gtgatatacc tgtctgagtt 360
cctcatcagt ggcttcacta ctgctgctgc tgncatgttt tggtttccca actcaaattc 420
atttttcaat tgacagtccc gtcacacact gatccagttt caattttaaa agacc 475

<210> 147
<211> 629
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 147
cgaggtacgc gggatttgaa tcttaaactg tatttttctc ttagtattgc taatgagtaa 60
agaaaagtct cataaggtag ccaaatgaaa aagaatgaaa gggaaagtga aaaattaagg 120
ggacaaaaga tgggatgtga aaagaagaat tctagtttga tggtgactca tattcacgat 180
aggatacaaa gtgtgatttg ttggaaacat gtcccaaatt tctaaaattc tgcttctctg 240
ccaaaagcaa tgtctttctt ggttgatatt tgagttttaa aagggtcaaa tctttctaat 300
tttttgtatc tttagagggc agcactagaa gaaatcagca ggtctaatcc caccagtaag 360
aaaactacca cttcttgatt tttacagatt taaaaaaatc ttttcagtgc ctttcttttt 420
aatgtaaata caaatttaaa cctangctta atatagcgtt tccctttccc caagtgatgt 480
cnaggtcgat gccaaatcaa tgatccnaaa tgatcgnggt naaaataact caaagggttc 540
ttaaggngag tngcatgcca aaaaatacct tgattccggg ggtttggacc tggctttgtt 600
ggggcctntg aaatgccaan ttancccan 629

<210> 148
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 148
acaaaagagc ctgattcttt ttaattccac aaatacctag catctcaaag taacatgtaa 60
acaaacttct atgctgctca atgaatcctt ccaatttcga taataaacta aatagtattg 120
gatctagtat atgactttca tgtgtaagtt atggttctat ccattacttt aacaatatta 180
ctgatgtaac agagaaaaat tttcaactat tgtatttatt taaaacaaac tgacaagttc 240
aagcacctgt cttcagaaaa gccagcagca ttttttttt ttaacatact caaagtaaga 300
tttggcctaa gcccttaata cctttctgaa cagccatgca actaaacacc ctcagggaga 360
tgttacataa gggagagaag aacatggagc aatttgcact ttttccctag ataatattaa 420
caaggnaaag caaatncaga tctttatgaa tgaatggntg gcatggttaa tcacttggac 480
tttttaaact agagncncta tcatattggt aaatagaaan aaaggatttt aataaagctc 540
tncctgcttc aaaattaagg ggacnttttc tgggaggctt tcagggacca taataaggta 600
aaaggggacg gttg 614

<210> 149
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(628)
<223> n = A,T,C or G

<400> 149
nccgaggnac tttnntttt ttttttttt ttttnaacag cgnctttca tttttattac 60
tcaaaaaagt ttcatttttt tatttaagct ttctgactct gngcttgggc cttcaacact 120

ttcacaacga ttttctgctc ctcgataagg aaagcccgct tgatcctana aaggaaaata 180
ccaaattaat catttcttta aaatgaactt catttttat ttagcccaaa aaaggnaaac 240
atggtaaaga accaagcnaa gcaatcaggg aacccaggaa actacnggat acccaaatac 300
ngagtaaaac ttaaaagggg aaattcattt aaagcaggga aatccctcaa tttcatgccn 360
gtagttatct gncctcctct gagcaagaat aactatgaag catccccccag gagaccacnt 420
atgagactta attattggta ggatccagga atagnggnat ttnttgattt gcaaaangtn 480
taaaaaattt taaccctntt ttgaaaattc ccagnaaaaa caccncataa ggggctntgt 540
gttaaaacta aaattaaagg gaagggtttt tccagaaacc ccccccanac cagggtttna 600
accggttang gcanntcncc aaaccnan 628

<210> 150
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 150
ttggggaann aaaaaaaaac ttttttttt ngggggnnngg ggntgcnanc natncaaaaa 60
tcaaaancnt ntttgggttt taacttttt ttttttgntt gncaaannaa aantaaantt 120
tnttttana tttgctaang ggccngancn gcnnaaaaaa ncctttttn ggggaanctt 180
nggggcaaat tnnttnancn acccttggg anaacttttn ttaggggggn nnnaaccgnc 240
atttttgccc actttttcc cttttgntta angggggncct tgggcnggac cnccccttagg 300
ggnaattcac ccnctggggg gcgttatntt ggatccactc ggnccaactt gggggaaaaa 360
gggaaaacnt tttctggggn aaatttttc ccncnaaatt cccaanaana aaaccggaac 420
nnaaanttaa acccgggggc ccaaggnggg ccnncccntt nttgggtggg ccctgcccnt 480
ttaangggaa attttggccc tttttaaaa 509

<210> 151
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 151
ggtacttttt ttttttttt ttttttttgc tttggacaaa tttattgaaa catacaggcg 60
gctgttagca gagaaatcat tccatgattg atgtgttaca tttggccact accttgaatg 120
tataatttaa aaattatatt tttcacaact aagcctttgg ccaaaaaagt catttagcac 180
atctttaaag atcaataaga aatggatttt ggacattaaa aagatcaagt cactgaatta 240
aacagtagca acccccatta atctagaatc ccatagtgct gaaggtagag gtgtctgtgc 300
aaagctagtc atttgttaac agcaatcana aaanatgggg gcaggcacac ctgtcaaaag 360
tggcaacana nctggcagga caggacggct gggctggtct ggtcaggtga gcatgtncca 420
aaaacagcag caacagaaaa cccgtccacc angcttgtga agcangtgga tggtcctagc 480
tcatctnttn ttttggnctt ntancacata cactgngggt ttangangnt tctgaggncc 540
accttgccnc cctacctgcc cgggnggccg ttnaaagggg aattccacca ctgggggccg 600
tctaatggga cccacctggg cc 622

<210> 152
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(313)
<223> n = A,T,C or G

<400> 152
acggtggatt agttcttttc agcatgttcc ttctgtatga tacccagaaa gtaatcaagc 60
gtgcagaagt atcaccaatg tatggagttc aaaaatatga tcccattaac tcgatgctga 120
gtatctacat ggatacatta aatatattta tgcgagttgc aactatgctg gcaactggag 180
gcaacagaaa gaaatgaagt gactcagctt ctggcttctc tgctacatca aatatcttgt 240
ttaatggggc agatatgcat taaatagttt gtacgcgggg aaaaaaaaan aaaaaaaaaa 300
aaaaaaagt acc 313

<210> 153
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 153
cgaggtacgc gggagggcaa caagaaccat ttccaatcta gaggaaagct ccccagcatt 60
gcttgctcct gggcaaacat tgctcttgag ttaagtgacc taattcccct gggagacata 120
cgcatcaact gtggaggtcc gaggggatga gaagggatac ccaccacctt tcaagggtca 180
caagctcact ctctgacaag tcagaatagg gacactgctt ctatccctcc aatggagaga 240
ttctggcaac ctttgaacag cccagagctt gcaacctagc ctcacccaag aagactggaa 300
agagacatat ctctcagctt tttcaggagg cgtgcctggg aatccaggaa ctttttgatg 360
ctaattagaa ggcctggact aaaaatgtcc actatggggt gcactctaca gtttttgaaa 420
tgctaggagg caaaaggggc agagagtaaa aaacatgacc tggtagaagg aanaaagcaa 480
aggaaactgg tggggaggat caattagaga ngaggccctg ggatccncnt nttcntaggn 540
ccctctcata cnaaggacac tttttatatg ccttcccaaa ctgntnggga agggtnaaac 600
caaaatccgg ggtanaacct 620

<210> 154
<211> 339
<212> DNA
<213> Homo sapiens

<400> 154
ggtacctgga ggatatagac ctgaaaacac tggagaagga accaaggact ttcaaagcaa 60
aggagctatg ggaaaaaaat ggagctgtga ttatggccgt gcggaggcca ggctgtttcc 120
tctgtcgaga ggaagctgcg gatctgtcct ccctgaaaag catgttggac cagctgggcc 180
gtccccctct atgcagtggt aaaggagcac atcaggactg aagtgaagga tttccagcct 240
tatttcaaag gagaaatctt ctggatgaaa agaaaaagtt ctatggtcca caaaggcgga 300

agatgatgtt tatgggattt atccgtctgg gagtgtggt 339

<210> 155
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 155
cgaggtactt ttttttttt ttttttttt ttttcntat ttttgtttaa tttatttaan 60
accacctnct tacaacttnc anagagaaaa tacaaaacaa gaaacanact tggtttnaaa 120
tgcataacca gntgctggan tttaaagcat tactgataac attgttacan aanaatggca 180
nnttactcna gggcacttna gtattcctna ggaataaaca ttgatttctc ttgtcctccc 240
nntgggatgt tctcangtna agtcactgcn cctgcnctta gacatatttt ccatgtnnca 300
naananggag cctgnaaant atgctnacag tnggaataag ccattnctaa ttccatgcca 360
naaccnangg ctaatggnnc attcttttt aataaggtat gtggaaaana ttcntatccc 420
aaanaaaant tgcccggncg gtctntntaa 450

<210> 156
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 156
cgaggtactg ccccagtgaa aatggaactg aaagagcctg tagctgtcag agaaaggacc 60
acctttcagc actgatcggt tatcgttgtc ctcaaaattt acatggaagg aatgccccac 120
attgataatt tctttggctg tggctgggtt gtaggagaca ctaataggtt tcagagaggt 180
gtcatgtttg gtttcactgg ttttaatatc aacaggggac tggttatttc cattggcaat 240
gggatacagc ttgctccatt gttcaggacc atttttgtca tcatatcccc agtctggact 300
tgccattatc ttctactgag ttttcttttt ctgaaaacaa aaataatacc tggaataact 360
aactgccccc gcgtcctgcc cgggcggcca aaggggcaat tccaccactg gcggccgtac 420
ttatggatcc aactcgtccc ancttggcgt aatatggcat aactgttctg nggnaaatgt 480
atcccttaca attcccncac atcnacccga acctaantgt aancctnggn gcnnataagg 540
actactnctt aatgggtggc tctgncnttt caannggaac cttngcnctn gntatgattg 600
ccaccccgga naggggtggt ttggccttcc ntcttgtann aatcttcncg gnttgttgga 660
anggtnntct taggggatng ttccaatggg gaccgnaanc ttccagccna ggcaccaaan 720
cnttggttta ncccccacnn aaaantanag gggncngggt 760

<210> 157
<211> 668
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(668)
<223> n = A,T,C or G

<400> 157
ggtacccagt agtcattcag gaacaggttg ttcagtttcc atgtagttga gcggttttga 60
gtgagtttct taaacctgag ttgtcgtttg attgcactgt ggtctgagag acagtttgtt 120
ataatttctg ttcttttaca tttgctgagg agtgctttac ttccacctat gtggtcaatt 180
ttggaataag tgagatgtgg tgctaaaaag aatatatatt ctgttgattt gaggtggaga 240
gttctgtaga tgtctattag gtctgcttgg tgcanagctg agtcaattcc tggatatcct 300
tggtaacttt ctgcttgttg ntctgtctaa tattgacagt ggggcgttaa agtctcccat 360
attattgtgt gggagtctaa tctctttgta ggtctctaag gacttgcttt ataaactggg 420
tgctcttgat tgggtgcaat atatttagga tagttagctc ttcttggtga atggancctt 480
taccaatatg aatggcctcc ttccttttga ccttgtgggt taaagctggt tatngaaact 540
ggatggancc ctgctttttt tggttcattt cttgnagggt cctcagcctt attttancnn 600
gnggctttgn cccncntccg cggcnttaag ggaaccacnc tgngcgtcta ngancactgg 660
caactggg 668

<210> 158
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(737)
<223> n = A,T,C or G

<400> 158
ttttttaag ggtcaatgtt tacatttttt tcatataaat atcaagttgt cagcaccatc 60
tgttgaaaaa aatctttgta atggctaatc ttttatgtca ttagatttga taatagttta 120
agaatttttg ttcctatatt catgagggtt gctttccttt aacttttttg ttttgtaatg 180
tctgtgtcag gntttactat tagaacaata ctagtctagt aaaaaaaaaa anaaacaaaa 240
aactancaag tgtntctccc cttctattta taanaanggn gttacttctt ccttaaatgg 300
nnaaattatg agngaaactt ggagtatcnt tgcnggantg gaagtttcct tgtggaaaga 360
attttatnat nattacattt caatagtncc gcntccctgc ncgggcggnn ntcaaaggcg 420
aatncagcaa attgntggcc gntactnngg accaacntcg gnccatnntg gggnancang 480
tcaanctgtt ctngnnaatt gtncccttcc aatncccaca nanaaccgaa cctaaatgga 540
acccnggggc tantaangnc taccnntatt gngnggctnn gcccttnnnt ggaaactgnt 600
cnaccnttat aatggccccc cnggaaggnt tntttggcct tctnntncaa anctggcngg 660
nttntgtgna ggttatctna ntggatgttc cacgggaacn gaanatntan ncagtggacn 720
aaanntnntn ttttnct 737

<210> 159
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

<400> 159
cgagggtaca ctgtgagaga ataacatgga cttgatatgg catcacactt gttttaaagc 60
aaaaaaaaag aaaaaaagaa aaaaaagaaa gtacagttaa aaagtaagca ttgtagtaaa 120
tagtggattc tctggtgtgt atttttttatc tcagtgttga aaattggaaa agaatgggct 180
gaagtctaaa aactggaata atgaaggaca ctaaatgcct ttattgtaga tactatgttt 240
gtaagtctat agctaagcaa cttaagccaa aaaggtcttt caactgaagc tttaatcaac 300
ttatttgga gatgttctct tccttatctc atgcgtcatc cctaaaataa taagatacat 360
gggatcaaat aacccttgcc ttttcaacac aaatcagttg gaaaattatg ggttgagtcc 420
tgttgctgcc atggttctgt tctcaaaatg agtgtgtatg acatcccatc tatgtaatag 480
gctacctttt tggctcttgg aactttgtcc tgccggccgg ccnttaaggc nantcnacca 540
ctggcggccg tactatgggn tccagctcgt ccaaccttgc tatcntggct acttttctgg 600
ngaatgtatc cgtncatccc cacttcancg gagctaangg aancntgggc ctatggggct 660
actccatatg ctngccnctg cnttcnangg aacncgcntc ttaanatgca cccnggaagg 720
gtngtngcct tcnttcttt 739

<210> 160
<211> 802
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(802)
<223> n = A,T,C or G

<400> 160
cgaggtacag cagagacctt cctgcttttt actggggact ccagatttc cccaaacttg 60
cttctgttga gatttttccc tcaccttgcc tctcaggcac aataaatata gttataccac 120
taaaaaaaaa aaaaaaaaag tacgcggggg cccattgttt ttgtaatctc tgaggagaag 180
cagcagcaaa catttgctag tcagacaagt gacagggaat ggattccaaa caccagtgtg 240
taaagctaaa tgatggccac ttcatgcctg tattgggatt tggcacctat gcacctccag 300
aggttccgag aagtaaagct ttggaggtca caaaattagc aatagaagct gggttccgcc 360
atatagattc tgctcattta tncaatatga ggagcaggtt gactggccat ncgaagcaag 420
aatgcagatg gcagtgtgaa gaaagaaaca tatttacctt taaagcttgg tccctttna 480
tcgaccnaag tggtccgaca agcttggaaa attactngan aaagctcaat nggactatgt 540
gactcttttt aataatttcc anggntttaa acccgtgagg acttttcccc cgntaaatgg 600
aaagtatttt gcnannggac ttgacttccc ggngccntaa gngaattcac cactgggggg 660
gnttagggtc cnnntggnca anttggnaaa ngggtaatnn cntgnaatgt tcctcatccc 720
aantngccgn ataantaacc gggcaaaggg cccaaatggn gccctccttn nngaatnanc 780
cctntannna ancgggggg gg 802

<210> 161
<211> 214
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(214)
<223> n = A,T,C or G

<400> 161
actttnntt tattcnttat ttttgggacc tgctctcact gtccacccag actggagtgc 60

antggcacca ttatagctna ctgcagcctt gacctnntgg gctcaagtga tcctnctgtc 120
tacacccccc aagnatgntg tgacattatg cttggataat acttgtatnt tangtaaaga 180
cagggtcttt ccnatnnacc nggnagatct naaa 214

<210> 162
<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

<400> 162
acttaggaat acaactatat acatatgatt ttatttttaa gaccatatta tatttgggta 60
tctactaata ttttgtataa agcaattttt tgttccatta cgtgactttt tgttttattg 120
tatatgtaat ttaacacaca ataaagggta aagttgcttc cccaaaccac acttttaatc 180
aaaacctaga atcatctgca gtccttgtta aaaatgcagg tttctagaac cctctgaagt 240
tctgattaaa taaatttatt gcaaatcaaa naaaanaaaa aaaaaaaaaa agnccccggg 300
gnta 304

<210> 163
<211> 461
<212> DNA
<213> Homo sapiens

<400> 163
actagagcca gtcatcctta acaaatcttt tcacatttta tttctttcac atgtagtcat 60
cttcaaaaag gaaagatttg gaattttaga aaaggggcaa ctcttctttt tagcattctc 120
atcagaaagt cacaaaaatc gatggaatca tttccactgg gaagattgac cttttgtatt 180
tatttgtggg gtaaattaat aagcattcca gatgcttgca gcttcctgca tccaggagat 240
gctgtgttcc ccgtgatgca gctggaaccc aagctgcagc aggagatgca agtttcagga 300
tgttccccac tgagctggag gaatatctac agcagtgatg cttgaaattt tgtatgaatt 360
attttgtcgc ctacccttttt cctccaaaca aaaattagag gattatttaa tccttgggat 420
cttccccttt ttgagaaata aagtttttat caaaaaaaaa a 461

<210> 164
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

<400> 164
ttttttgag acaaggtctt actctgtcac ccaggctgga gtgcagtggc atgatcttgg 60
ctcactgcac cctctgcatc ccaggttcaa gtgattctcc tgtctcagcc tcccttgtag 120
ctgggattac agccacttgc cactgcaacc ggctaatttt tgtattctta gtagagatgg 180
ggttttacca tgttggccag gctggtcttg aactcctgac ctcaagtgat ccacctgcct 240
ccatgtccaa agtgctggga ttacaggcat gagccaccac ccctggccta agtcattaat 300

ttaaaaaatg ttattaggat gancgacctg ccgggcggcc gntaa 345

<210> 165
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

<400> 165
actgaaacag aaactntacc caattgcagt ccatatgttt tctgggatcc cggagttccc 60
tttcaacaat gtaaaataca nacttaggtc aaaagttccc atgtctgaga aaactcaagc 120
caaatcagtt ctcctccaaa gttgacagga tttatgcttt aaaaatagag atacagaatt 180
ctctttggaa agatctacca aattcctgta agaaacagtc tacccaaagt aggggaaagg 240
ctatatgana agttcaaggc acttcttaaa aatatatctt aggttttagg gaaaggaaac 300
agacaagttt ccagacccgt gggtggaatg gatgtagcag atcactgaga ggttacaagc 360
gccgacctng gccgngacac gctan 385

<210> 166
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 166
tttttgacga tgtctctcaa caatacctga agtttctcat actcatcatc ccaagtctga 60
aaaacttcaa agcatgctac cataactttt tcaaattctt cataagcaac atgcatcaat 120
ttcctagtgc ccaatacttt gagtaattga gaactcaagt ctcttgaaat tgcctccacc 180
aaacgcagtg ccctctgaat aggatatttt gtgtttcgga tctttctcaa atcccgcgta 240
ctttgagaag ctgaggcggc agatcacttg aggccaggag ttcgagacca gtctcgtcaa 300
catggcgaaa ccctgctcta caaaaaaaaa aaaanaanaa aaattagcca gacatggngg 360
cccacatctg tagtcccagc tacttganan gctgaggcat gagaatagct tgacctggaa 420
nggcaaaggt ttantgancc caaactgngc ctggattcca atnnggngga cccagtgana 480
tttgtctcaa aaaaangaaa ggaaaaaaga gcccgncgga aggaaggatg gattgangga 540
aaattgtggc ctccnnnnaa aggnccaang gcccctnangt ttctttgaat agtttccctn 600
gccnttctta ngggcctnng ccttttttcn nnctggcgaa cctaggnatt cacatggggg 660
ttangacncc gccnctggga naggaaagtn ctggaagnnc ncntcccaat ancgnntang 720
aacgggcngn ggannaattt tttnc 745

<210> 167
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(623)
<223> n = A,T,C or G

<400> 167
accagccact gcaaaaacat gccaaattgt aaagaccatc gaggctggga agaaactgca 60
tcaactaacg agcaaaataa ccagctaaca tcataatgac aggatcaaat tcacacgtaa 120
cactattaac ctgaaatgta aatggactaa attctccaat taaaagacac agactggcaa 180
attggataaa gagtcaagac ccatcagtgt gctgtattca ggagacccat ctcatgtgca 240
gagacataca taggctcaaa ataaaggaat ggaggaagat ctaccaagca aatggaaaac 300
aaaaaaaggc aagggttgca atcctagtct ctgataaaac agattttaaa ccacaaagat 360
caaaagagac aaagaaggcc attacataat ggtaaaggga tcaattcaca agaagggcta 420
ctattctaaa tatatatgca cccaatacag gacccccaga ttcatgaagc aaatccttga 480
gattnccaaa ggattaactc cncccngtat tatggagact tncacccact ntnacctttc 540
ccgatcttgn cccaaagtac cnggtttccc gaattgactn gtttgncann gggctattaa 600
tttngaattt cncccaaaaa aaa 623

<210> 168
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(703)
<223> n = A,T,C or G

<400> 168
ggtactccct gtttgctgca gaatgtcaga tattttggat gttgcataag agtcctattt 60
gccccagtta attcaacttt tgtctgcctg ttttgtggac tggctggctc tgttagaact 120
ctgtccaaaa agtgcatgga atataacttg taaagcttcc cacaattgac aatatatatg 180
catgtgttta aaccaaatcc agaaagctta aacaatagag ctgcataata gtatttatta 240
aagaatcaca actgtaaaca tgagaataac ttaaggattc tagtttagtt ttttgtaatt 300
gcaaattata tttttgctgc tgatatatta gaataatttt taaatgtcat cttgaaatag 360
aaatatgtat tttaagcact cacgcaaagg taaatgagca cgttttaaat gtgtgtgtgc 420
taatttttttc cataagaatt gtaaacattg actgaacaaa tacctatatg gattggtaat 480
gacttatgag caanctgctt ggccagacag ttacccaaac tttatatatn tnngaaggta 540
tacactgnga aatctctggc taancgaatg cntccagggg taannggggtn tggntggant 600
aaanaatgcc ctgcaaaaaa aaaaaaaaaa aagccttccg nggccttnaa nggaatcnnc 660
angggnntnn ggccactggc cactggnaaa ngnaacgtct gga 703

<210> 169
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 169
acgtccatct tccagctgct tgccagcaaa gatcagtctc tgctgatcag gaggaattcc 60
ttccttatcc tggatcttgg cctttacatt ttctatcgta tccgagggtt caacctcgag 120

ggtgatggtc ttaccagtca gggtcttcac gaagatttgc atcccacctc tgagacggag 180
caccaggtgc agggtggact ctttctggat gttgtagtca gacagggtgc gtccatcttc 240
cagctgtttc ccagcaaaga tcaacctctg ctggtcagga gggatgcctt ccttgtcttg 300
gatctttgcc ttgacattct caatggtgtc actcggctcc acttcgagag tgatggtctt 360
accaagtcag ggtcttcacg aagatctgca tcccacctct aagacggagc accaggtgca 420
gggtggactc tttctggatg ttgtaatcag acanggtgcg ttcatctttc actgnttcca 480
caaaaaacaa cctctgctgg canganggat ccttccttnc ttggactttg cctgacattc 540
tnatggngta ctccgctccc ttcaaaggga tgncttacan tcanggnctt acnaaaattt 600
cntccnctt 609

<210> 170
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(617)
<223> n = A,T,C or G

<400> 170
acaaagaaca tgtagctata ggaaataata gtgtaaatag cagtatataa actggcccat 60
gtaaaataca aaaatattca ctgaagtcag gttttctata aaacagtgtt tattagaggt 120
attttactat gaatcaggca tataatctga atgtagaaac ttttagaaat attaacagca 180
ttcagtcagt gccatgcact tgtgcttcca attatttttt taaagctgct ttgttttgac 240
tcatgtgaaa tagttaaggc ctacattctt atacacatta tccatcttac aaggttaaca 300
attttacact aaaacacagt ttaaattaaa aacgattttg aaaaattaca tctatattta 360
atccctaaga agtgttttaa gctggtaatg cagctcgctg tagctctaag agaggggtta 420
gtcaggaatc tgatcttgag ccataaangg tttcaggcta aacaaagaac aaatttaagt 480
gacagaaaat attataattn caatatactc agtttttttgg tataaaatac cctgctagca 540
tgccactggc tatattgngg gcataatata aaatgncggg gggggggatg gancctccaa 600
gncaaanttt ggaccca 617

<210> 171
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 171
acagtatggg ggttgtaaat tggcatggaa atttaaagca ggttcttgtt ggtgcacagc 60
acaaattagt tatatatggg gatggtagtt ttttcatctt cagttgtctc tgatgcagct 120
tatacgaaat aattgttgtt ctgttaactg aataccactc tgtaattgca aaaaaaaaaa 180
aagttgcagc tgttttgttg acattctgaa tgcttctaag taaatacaat ttttttttatt 240
agtattgttg tccttttcat aggtctgaaa tttttcttct tgaggggaag ctagtctttt 300
gcttttgccc attttgaatc acatgaatta ttacagtgtt tatcctttca tatagttagc 360
taataaaaag cttttgtcta cacaccctgc atatcataat gggggtaaag ttaagttgag 420
atagttttca tccataactg aacatccaaa atcttgatca gttaaaaaat ttcacataac 480
ccacttacat ttaccaactg gaagaataat caatctctca agcatgggat tattagaatc 540

aacantttga aagctgtcct tgaaggctaa taaaaaagnt tgtctaacct ttcatgaggn 600
cttnttntta ctnccttacn g 621

<210> 172
<211> 399
<212> DNA
<213> Homo sapiens

<400> 172
actcaaaatt acacatttgt ttaaataaat atccacacaa attctcagtt acatcaagta 60
gctggtttat atttagatta tctcaagtag gggggaataa ccatgtgtag gaattcatag 120
aaaaataaac aatcagctga agaggtctaa gaaaatgctg acttttaaaa tttcacttat 180
tttccttgaa gttttctacc cttcccatcg atgataaacc aagatcatgt aatggaaaat 240
ttcaaaccag ggctaaattc taaagtaaag cttcaattca agcccttccc ccaagagaat 300
taattttcct gatttctctt tctctcacat ctaaggagaa cattttaggc agttaaattt 360
cagaacttca aggtttcatc agggtcacct ttatgtacc 399

<210> 173
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 173
actttgtgga taagaaaatg gaggaacaca tctgatggag agtgggcatt tgacaacaat 60
ggaacaggta acctgcatgt aaaatcaaaa tataagtgtc tttttaagag ctgaaagctg 120
ctgctggtca ttcattaatg tgtcagacat ttaatcagga tgctggacct tcaaaataac 180
tgaaaaaaga accaagaaaa ggcgtttttg ttttcaacaa actttactaa ataaccctgg 240
aaaggcaatg aacgatctga caatttaagc tctaatgatt taaagctcag ctagaagaaa 300
gtgaggcatg acatatactg tcaacggagg gtgaaggagg canatttctg gaaatgcaat 360
gatcccacca tttgcttcaa ngagaaacct gcanacatat tttcangtct tgntaagtna 420
caactgtnta tttgtaatca atcatttngg aaaagtctgc tatgtaactt angncactgt 480
gcccccnacc accgatgaaa aggaaaaacc cctgacacca ggaaaatcct tccatcctca 540
aanaaattaa gngaccaacn tttaaagaaa aaaaatnanc ccncctctnt ttacaaatnt 600
ttcntccaaa tnttcn 616

<210> 174
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(631)
<223> n = A,T,C or G

<400> 174
ggtacgcggg gacacgcacg ccgggcgtgc cagtttataa agggagagag caagcagcga 60
gtcttgaagc tctgtttggt gctttggatc catttccatc ggtccttaca gccgctcgtc 120

agactccagc agccaagatg gtgaagcaga tcgagagcaa gactgctttt caggaagcct 180
tggacgctgc aggtgataaa cttgtagtag ttgacttctc agccacgtgg tgtgggcctt 240
gcaaaatgat caagcctttc tttcattccc tctctgaaaa gtattccaac gtgatattcc 300
ttgaagtaga tgtggatgac tgtcaggatg ttgcttcaaa agtgtgaagt caaatgcatg 360
ccaacattcc agtttttaa gaaagggaca aaaggtgggt gaattttctg gagccaataa 420
ggaaaagctt gaagccacca ttaatgaatt aatctaatca tgttttctga aaacataacc 480
accattggct atttaaaact tgtaattttt ttaattttcc aaaatttaaa tttgaanact 540
taaccccant tgccatntgn gtgacaataa aacattatgc tacccntttt aaaaaaaaaa 600
aaaaaaaaaa agtcctgccc ggcggccctc a 631

<210> 175
<211> 261
<212> DNA
<213> Homo sapiens

<400> 175
acgaacctac agttttaact gtggatattg ttacgtagcc taaggctcct gttttgcaca 60
gccaaattta aaactgttgg aatggatttt tctttaactg ccgtaattta actttctggg 120
ttgcctttgt ttttggcgtg gctgacttac atcatgtgtt ggggaagggc ctgcccagtt 180
gcactcaggt gacatcctcc agatagtgta gctgaggagg cacctacact cacctgcact 240
aacagagtgg ccgtcctaac c 261

<210> 176
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 176
cgaggtactc tgccttttag gagatgaggt aagacatata catagatggc ttttactagc 60
caaggcaatg taaatggact aagattctca tgtgacttga ggttatctga tgaatttatt 120
ctcttcaaaa ccacctacct ttagagggca tgtttaaccc ctctctttat ttaaggaggg 180
agagaaaaac acatgtaacc agaattcaga gtgggttact caacctaaga gaacatacgg 240
agttctcttt gggaaaacaa caagactaca gtgttcactt cgcaccatga agtggcactc 300
ctgttatggc tgtcagagtc ctctcacttc ttatgaaagg atgcatctga ttctgaaatt 360
actgatatat tcgatcagtt anggatgttt taaaaagtga aaacaaatgc cacacataca 420
ctttctagct ttcttgaaat cacccgacac attccaaaaa tagagaattc cctattactt 480
ttagagaaat ttccatatan tcttggtnaa gaanccagtt gngcntattc caatttcagg 540
gtcttggttt ttgcccaaac ccaagtgttt ccntntttta nggcttttca tggccgattt 600
naaaccttnt ttgtgg 616

<210> 177
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(632)

<223> n = A,T,C or G

<400> 177
cgaggtacag gtcagagtct tcttttcttt tcttttgag atggagtctt gctctgttgc 60
cagactggag tgcagtggtg cgatctgggc tcactgcaat ctccacctcc cgggttcaag 120
cgattctcct gcctcagcct cccgagtaac tgggactaca ggtgtgcgcc accaagccca 180
gctcattttt gtatttttag tanagatggg gtttcacggt gttggctagg atggtctcga 240
tctctggtca gaagtctttt ctgtaaatat ccttggtaaa gaagcaattt tagactgtag 300
ctgttgcaaa tgctttaagg aagaagcaaa acaactgtca gtcttcctga aatgaaaaaa 360
ctacaccagg gctgctatat caaagcaacc ccaaccagca cttcaatcat gatgcccaca 420
gtggccccac tgagaaacca agaaaagttn cagatacaaa actgngatgc tcttgctatg 480
gnaatattgc nggcngtanc caagttagaa accaaacaag cntanggccc cgttnttttt 540
tggcgtgatt ttggcaanaa aaaaaactgg gngngtggtg ngggttccca ttgtaccccc 600
aaaaaacttn gggatgggtt aaagcccnng gc 632

<210> 178
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 178
actttnnttt ttttttttt ttttttttg ggatttagtt tttatttcat aatcataaac 60
ttaactctgc aatccagcta ggcatgggag ggaacaagga aaacatggaa cccaaaggga 120
actgcagcga gagcacaaag attctaggat actgcgagca aatggggtgg aggggtgctc 180
tcctgagcta canaaggaat gatctggtgg ttaagataaa aaacaagtca aacttattcg 240
agttgtccac agtcagcaat ggtgatcttc ttgctggtct tgccattcct ggacccaaag 300
cgctccatgg cctccacaat attcatgcct tctttcactt tgccaaacac cacatgcttg 360
ccatccaacc actcaatctt ggcagtgcag atgaaaaact gggaaccatt tgtgttgggt 420
ccaacatttg ccatggacaa aatccangac ccgtatgctt taagatgaaa ttctcatttc 480
aaatttcttc ccataaatgg acttgccnca tgccatnttg ggtgtgaagt nccnccttgc 540
ncataaccct ggaatatttt tgaaacagaa ccttttacca atcnttttt catgttaaaa 600
acnaaaattt t 611

<210> 179
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 179
acctcaattt tatcatttta gagtatttgt tagaatagga tctctccaaa atcaaacagg 60
atcaatctgg tcacgtctaa tcctaagaca aaacactatg taaaattttc ctgtatctaa 120
atgttgccct ctaggtaaat ctgtgatatt ttagagactt tcttttgtgg aaaaggtaat 180
ctgataaatg ggaagagatc atcagacaag ttcacaaata accattattt ctgcagaatt 240

cagttgaagt tggtttttg taaatgctta ttgggaattt ctaaagcact gacttggaga 300
ggccaagagc ctccatcaat ccctgcttgg atagccactc ccgttactac tgctaggtca 360
gggtctacag atgtgttggg atcttttcca aagaactctt gaatgacttg acggatccga 420
ggaataccaa tggagccccc aactaaaacc acctcatcaa tctcagtctt ttncaggtgg 480
ncttcttcaa tctcctgaat gggacctcgg ccgcancacn ctanggcgaa ttccacacct 540
ggcggccgta ctaatggatc caactcgnac caacttgggg aacatggcta gtnttcnngg 600
ggaaatgttt c 611

<210> 180
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 180
acccttaaac tggcaggaca tttttgaaat cacaaatttg cacataaaga atgtcacgaa 60
cagccatgta tccatataca gcaatcaaat aaggaactta tgacctaaag caaaggtaaa 120
ctttcttgaa acttaacatt ctataccaac taggcaacct ctgcccagga tgagagttgg 180
atttttcaaa aacctctaat ttaatagtgc agcatttcgt tttccctgat ggcctgtgtt 240
tcacagcagt ttttaaaaac tgcttgttca actatagctg cagcctatat cccagctatg 300
gaaaaaaaag taaatcttag ttcaattttt gccagttgtt tctgtattta aatttaaaaa 360
aaaacacact tccgctgggc aggtttagag ggttattatc aagtctgtgc ataactaaaa 420
gttcaaagca aattcaattt tgcttaangg aacattgnna aagnacaatt cttggnanta 480
catgcctcgt tgatccattt naancatana aaattcaccc ttgtgtactg gttcaagaaa 540
aaaaccgatt tgacagttaa acatnttaaa ancccaacc tntgaagttc aaccaaactg 600
gantttgtt cctcgcccga c 621

<210> 181
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 181
cgaggtacag accagagaca aagcaagaga agaagcagag actgttggcc cgggccgaga 60
agaaggctgc tggcaaaggg gacgtcccaa cgaanagacc acctgtcctt cgagcaggag 120
ttaacaccgt caccaccttg gtggagaaca agaaagctca nctggtggtg attgcacacg 180
acgtggatcc catcgagctg gttgtcttct tgcctgccct gtgtcgtaaa atgggggccc 240
cttactgcat tatcaangga aaggcaagac tgggacgtct agtccacaag gaagacctgc 300
accactgtcg ccttcacaca ggtgaactcg gaagacaaag gcgctttggc taaactggtg 360
gaagctatca ggaccaatta caatgacnga tacnatgaga tccccctcct ggggtggcaa 420
tgtcctgggt ctaaatctgt ggcttgtatn gccaacttcn aaangcaaag cttaaaaact 480
tgcncttaac tngggtnaat gtactncccg gcggccgttg aanggcaatt caacacattg 540
cggccgtcta atggntcanc ttggnccaac ttgggnaana tggnaaannn ttcttgggna 600
atttnn 606

<210> 182
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

<400> 182
ggtactcata aaaaaagtct taccccaaaa ttgcaaacaa atacattaaa agattagaag 60
aggtgataga aagcaccaga cattaaacaa aataaaaata ataaaataaa ttcaactcaa 120
aaggtcccca ttcagcaaat actttgtaaa gtatggcctg tatgtaaata gtgctaaatc 180
aaggactttt tagcagaaaa ttgctcggtt cttttatcta aggcttgaat ttgtaaagtg 240
aaggcataaa agttaccaaa cattaagtaa ctcttaaaat ggcacacagg ttttaaagct 300
attggttttt ccttcctaac tctctgaatt tttcccatgg cctttgtaga tcaactattt 360
caaacgtatt ttacaccagc aactctcaac atacttgtct ttcagatatg tcatcagtca 420
tgtctaacag gccaatagcc aaataacnga tttaaaacaa tncttaacta gctagcagga 480
cattactttg gatctgctta ctgcaactga ctatttgtaa gcttaaaatc antttaatcc 540
tgatacagaa acctcatctg cncatacntt actttggcct tcaaccttta aaaatactta 600
atcccccgnc 610

<210> 183
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 183
cgaggtactt ttttttttt ttttttttt ttttatttt ttttttttt ttttttttt 60
ttttttgggg agncagctnt ttaattaggn tcttaaaaca tttaaaacnc caatttgnga 120
ggataaattc cattcgtcan ancaaacnca aatcgcaggt ancctggan ctgaggaata 180
nctttgattt ttggnaaaat ttgngagtcc acagctttnt gatcaatntt gcnctgctcc 240
gnaatctcat atttctnttt ttctgngncg aaaatctcac cttcctggng tntgggcttc 300
cgcagcttnt tnttttgaa gtaagcatca ataaaangtt ttgggatttt tacattgctg 360
aaatccattt tgggtgaagg ggcaatgaca aatttntngn gtnttctttt taaaagaacc 420
tcattggggg ccnaaggncc cncccaaatt ataaacccct ttccccctgg tttangnaaa 480
ccccccttg ccctgnggg nccangagga taaanaaagg ccccggggaa gctggcccca 540
nttttcccg ccgncgaagg gttttgccgg ctaaaanttt tngggcattt nnngggnaat 600
tttggctt 608

<210> 184
<211> 622
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 184
acagccctga tgcaaagttt cagagcatga ccagcaagtg gccagctgtg tgggtcaaga 60
tcagctccag ctgggtctgc ctcctgcttt acgtctggac ccttgtggct ccacttgtcc 120
tcaccagtcg ggacttcagc tgaacctctg agtgccaagg acaccactgg aactcacaaa 180
ggtctccttc accgaaaacc catatacctt ttaagtttgt ttcaactaaa atattaagtg 240
aatgctttgc aagtttgact gtatgcaggt ttatatcaag aaggtgagat tgaataatgc 300
ttgatgcaga atcgaaactt ctcatttatc tgnatattat gtttacttct aaggatatag 360
cacaaaggga acatttttg tttaaagtga actacagctg tgctgtgaag agagttcttt 420
ataaagcctg taggtctttt aactttggtt aaaatgtaag ataggaaaat gttggatatt 480
tgaggcntgc ctaatatatt tatattggag natcctttna aagccaaaaa aaaaaaaaaa 540
aaaaaaaagt nccttggccg gaccncccta aggggaattc cacncactgg gggccgtntt 600
atggatccaa ctcgnaccaa ct 622

<210> 185
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 185
acgcggggac agtcccaccc tcacacgatt ctttaccttt cacttcatct tgcccttcat 60
tattgcagcc ctagcagcac tccacctcct attcttgcac gaaacgggat caaacaaccc 120
cctaggaatc acctcccatt ccgataaaat caccttccac ccttactaca caatcaaaga 180
cgccctcggc ttacttctct tccttctctc cttaatgaca ttaacactat tctcaccaga 240
cctcctaggc gacccagaca attatacccct agccaacccc ttaaacaccc ctccccacat 300
caagcccgaa tgatatttcc tattcgccta cacaattctt cgatccgtcc taacaaacta 360
agaggcgtcc ttgccctatt actatccatc ctcatcctag caataatccc atccttcata 420
tatcccaaca acaaagcata atatttcgnc cactaagcca atactttatt gattctagcc 480
ggagacctct nantntaacc tggatcggag gaaaccagta gctacccttt accaatantg 540
ganaagaaga tcgnaccttg gcgggacacc ttangggaat tcaaccactg gnggcggtat 600
atgggacccn ccng 614

<210> 186
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 186
ggtactgatt ttaaaaacta ataacttaaa actgccacac gcaaaaaaga aaaccaaagt 60
ggtccacaaa acattctcct ttccttctga aggttttacg atgcattgtt atcattaacc 120

agtcttttac tactaaactt aaatggccaa ttgaaacaaa cagttctgag accgttcttc 180
caccactgat taagagtggg gtggcaggta ttagggataa cattcattta gccttctgag 240
ctttctgggc agacttggtg accttgccag ctccagcagc cttcttgtcc actgctttga 300
tgacacccac cgcaactgtc tgtctcatat cacgaacagc aaagcgaccc aaaggnggat 360
agtctgagaa gctctnaaca cacatgggct tgccaggaac catatnaaca atggcagcat 420
caccagactt naagaattta agggcatctt ccacttttta ccaaaacngn gaacaatctt 480
tttcnttact taacnaacnt gcttccatgg gagccgggng naatccaatc aagggcataa 540
cccgggcctt atttggcnng atgggtcang gnaatancct gaccaggaaa cccctgnttc 600
cttgggggga antttgttgn nccccac 627

<210> 187
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 187
ggacctttt ttttttttt ttttttttt ggaaaagaaa ggccttacat atttattact 60
gaatccagcc aaccaacgtg ttcataacag attcagagag gaaaacacgt cgaaatctcc 120
anatagtggt gacattttca gcttgatatg gtaacatgat cgtgaccttc anacagcata 180
aatatgtgtg ccatctcatg tgcaattcct tatanaccca gcttggttct tctccaatgt 240
ctccttttgg agttgt 256

<210> 188
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 188
ggtaccacct acacccaaca agtcaatgag ggacttcttt ttaatttggt aggattttga 60
ctggttttgc aacaataggt ctattattag agtcacctat gacaaaaaat aggggttacc 120
tagataatgc caaagtcagc atttgtcctg ggttcccttg tgtgatctgt ttggactatg 180
ttttcttttc ttctcccact tgctcagcag cttgggcttc cattctagct cttttaccaa 240
gatttttgtg tgaccatgtt gacttcattt ggattgccct ctttcaattt ccttgtgaaa 300
acacccttaa ctttctcttt acccttagct gaaatgttta cataacttct ggtgatatct 360
tttcatgatt ttatatctct taaaatggtg atggatgtga cacctcataa aagtgagctt 420
tgaactgtag ataactctta aagaaaatgt cattttanac aattaaaata tttgtgctca 480
aaaaaaaaaa aaaaaaaaaa gtcctgcccg gcggccgtcn aan 523

<210> 189
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 189
acaatttaat ttttctgctt gcccaagaaa caaagcttct gtggaaccat ggaagaagat 60
gaaaatgaga ctggcaaaga acaaatgctg aatctgaaga agaggacaac tttgggcaaa 120
taatctgcat acttttaatt gggaataaga tggaaaatat gaatgctaaa tcaaattttt 180
taaaaaatac accacacgat acaactcaat acaggagtat ttcttctcaa attcttctag 240
caccatcaac attcttcaag tatctgaaat actattaatt aagcaccttt gtattatgaa 300
caaaacaaaa caaggacctc agttcatctc tgtctaggtc agcacctaac aatgtggatc 360
acactcatgg gaaagtgttt tgaggtagtt taaacctttt ggaaggttgg gttttaaact 420
tccctctgtg gaagatatca aaagccccaa gtggtgccaa atggttatgg ttttatttt 480
caattttaat ttgggtttct tccaaaggtg acatttccat acaaggggaa gggggtggaa 540
aaaaaatcaa attttggggg accagggagg ataatnaact gtttgcaatg cttgacaacc 600
ttttttttt gnccaantaa ca 622

<210> 190
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(628)
<223> n = A,T,C or G

<400> 190
accactaata gggtgtatct cagaaactga attgaaataa gggaaaatag gattttctgt 60
cctggttttt gaagattgtt cttgattccc ttgattccca ggagagattc tctgacattc 120
acgtgtcagc cactttggca cggaagcctt acagtgtggg gaaccaaaac ttcgtgtctc 180
ctctttcccc gatgccatca gcatagactt gacttcctta aaccgagagt tttgatgtgg 240
ccttggcaac cctaaaatca gctgtgttag gtaacaaaac tcaggctttc tgttgatgac 300
atcgagatgg tgtcacttaa aagagccaag attcctgttt tcagtttgtg gattcatcct 360
gctggtttta ctttagtccc tccatgtcaa agtgggcctg agaaaagctc atacatgcct 420
catgtgaagt gtccaccccc tctgaaaatc tttcttgttc aaaacancna cgacatatct 480
tggtaacttt tacggtgact tttggangag gggagtttgg aaattgtaaa atgttatana 540
tggtgcctat ttcctgctga angaaatgtt ttaaaaagnn tntntaancn taatcnaatg 600
gttggggggn gaccttctac cnaanntn 628

<210> 191
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

<400> 191
ggtacagccc tcaatctgtt cttcaagctc aagaacttca agacagctgc caccttgct 60

cggcgcctac tagaactcgg gcccaagcct gaggtggccc aacagacccg aaaaatcctg 120
tctgcctgtg agaagaatcc cacagatgcc taccagctca attatgacat gcacaacccc 180
tttgacattt gtgctgcatc atatcggccc atctaccgtg gaaagccagt agaaaagtgt 240
ccactcagtg gggcctgcta ttcccctgag ttcaaaggtc aaatctgcag ggtcaccaca 300
gtgacagaga ttggcaaaga tgtgattggt ttaaggatca agtcctctgc agtttcgcta 360
aagccccctt tgtgtgcatg ggtcaagtca ccatatgttc cccccaaaaa atgtgtctat 420
atctccttct aacaacacct tcccctgcac tactcttcaa atctngctct ntgt 474

<210> 192
<211> 234
<212> DNA
<213> Homo sapiens

<400> 192
acgcgggggt tggtgagtgg gctcctaccg accgaggttt aggcagcgcg gggagctttg 60
cgggttgcca tttgtaactc cggatcctaa aattcctgtc ctgttctctg tctcttctag 120
gttgggggcc gtcccgctcc taaggcagga agatggtggc cgcaaagaag acgaaaaagt 180
cgctggagtc gatcaactct aggctccaac tcgttatgaa aagtgggaag tacc 234

<210> 193
<211> 367
<212> DNA
<213> Homo sapiens

<400> 193
ggtaccaata ccaccaattt tgtagacatc ctggagaggc aggcgcaagg gcttgtcagt 60
tggacgagtt ggtggtagga tgcagtccag agcctcaagc agcgtggttc cactggcatt 120
gccatcctta cgggtgactt tccatccctt gaaccaaggc atgttagcac ttggctccag 180
catgttgtca ccattccaac cagaaattgg cacaaatgct actgtgtcgg ggttgtagcc 240
aattttctta atgtaagtgc tgacttcctt aacaatttcc tcatatctct tctggctgta 300
gggtggctca gtggaatcca ttttgttaac accgacaatt agttgtttca cacccagtgt 360
cccgcgt 367

<210> 194
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 194
ggtactcttg gtttgtcaat gggactttcc agcaatccac ccaagagctc tttatcccca 60
acatcactgt gaataatagt ggatcctata cgtgccaagc ccataactca gacactggcc 120
tcaataggac cacagtcacg acgatcacag tctatgcaga gccacccaaa cccttcatca 180
ccagcaacaa ctccaacccc gtggaggatg aggatgctgt agccttaacc tgtgaacctg 240
agattcagaa cacaacctac ctgtggtggg taaataatca gagcctccgg tcagtcccag 300
gctgcagctg tccaatgaca acaggaccct cactctactc antgtcacaa ggaatgatgt 360
aggaccctat gagtgtggaa tccanaacga attaagtgtt gccacagcga cccagtcatt 420
ctgaatgtcc tctatgncca gacgaacccc catttccccc catacctan taccgtcaag 480
ggtgaacctt agctttctgc atgcagcttt aaccactgcc agtttcttgn tgatgatgga 540

catcacacca cacaagactn ttatttcaca tactgagaan aaagcgactt ntactgcagg 600
cataactanc ngg 613

<210> 195
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 195
acgcgggcgc cagagtccct gaactctcgc tttcttttta atcccctgca tcggatcacc 60
ggcgtgcccc accatgtcag acgcagccgt agacaccagc tccgaaatca ccaccaagga 120
cttaaaggag aagaaggtga tggtgaggaa gaggatggag atgaagatga ggaagctgag 180
tcagctacgg gcaagcgggc agctgaagat gatgaggatg acgatgtcga taccaagaag 240
cagaagaccg acgaggatga ctagacagca aaaaaggaaa agttaaacta aaaaaaaaaa 300
aggccgccgt gacctattca cccttcactt tccgtctnaa aatctaaacg tggtcacctt 360
caataaaaag gccccccgcc cccngggcag tgccccccca aaataaacgc gctttcacca 420
ccaaccaaac atgaaaattt tccacaaggg anggaaaaaa aaccaaacnt ccaaggcctn 480
ttttttttta aaatactngg ccgcgaccac cctanggcga attccanacc tggcggccgt 540
nttatggatc cnactcggac caacttgggn aatatggcat antggttctt ggngaaatgt 600
atccctccat tcn 613

<210> 196
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

<400> 196
gcggnggcnn ggccgacgnn ctcatcaatg ttgttcggtc agcccttccc taattacacc 60
tatccnctac acatacatgc acatagacac acncntgaac ncactgaana tatttccttc 120
aggtgtgtgt aaaatatgct gcttggattg aaattcannt gggattgatt agncaagtan 180
cttganacct cacagtaatc ttcacacttn nccttacaca cctatgcagg catgttggga 240
gcangttaca atgttacttc agcccacagt ttatttctat acttgagttc ttaagt 296

<210> 197
<211> 222
<212> DNA
<213> Homo sapiens

<400> 197
acatggagga gaatgaccag ctcaagaagg gagctgctgt tgacggaggc aagttggatg 60
tcgggaatgc tgaggtgaag ttggaggaag agaacaggag cctgaaggct gacctgcaga 120
agctaaagga cgagctggcc agcactaagc aaaaactaga gaaagctgaa aaccaggttc 180
tggccatgcg gaagcagtct gagggcctca ccaaggagta cc 222

<210> 198
<211> 539
<212> DNA
<213> Homo sapiens

<400> 198
cgaggtacta catatttcag cactaaggcg gttgcttcac tttatatcta tataaaaaaa 60
gtggtaaaaa tcttttcctt ttgtgcagtt gaacccatcc tacattcaga ttctctcaag 120
cactaataaa atacttattt ggttgaggaa gatttaaggc aagttcgggc ccttccaaag 180
gcactgtgag actccccccc cactccccgt tattgctaca tgtctttata ctcgagtatg 240
tcacagtaga actggtggaa taagcaaaca ctttttttgct agtttataaa gttggaatta 300
gaaaagcatg ccacatttca gcctgattgc aaagtatgtg gtcatttttt tctttgaagt 360
tggatgggct acaaccttta tacattctaa gaaaactcat aggatgttcc tcaaactact 420
tccacagcat caagatcgat ttctgtcaag aaatcatgca atctttcaaa atttacgtaa 480
acaaggaaag aaattaatga ataaatatt acatacaatc tcttaaatta agaatttgt 539

<210> 199
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(626)
<223> n = A,T,C or G

<400> 199
cgaggtacaa gatgtccaaa tattgcgaag atctatttgg ggatctcctg ttgaaacaag 60
cacttgaatc acatccactt gaaccaggca gggctttgcc atcccccaat gacctcaaaa 120
gaaaaatact cataaaaaac aagcggctga aacctgaagt tgaaaaaaaa cagctggaag 180
ctttgagaag catgatggaa gctggagaat ctgcctcccc agcaaacatc ttagaggacg 240
ataatgaaga ggagatcgaa agtgctgacc aagaggagga agctcacccc gaattcaaat 300
ttggaaatga actttctgct gatgacttgg gtcacaagga agctgttgca aatagcgtca 360
agaaggcttc agatgacctt gaacatgaaa acaacaaaaa gggcctggtc actgtagaag 420
atgagcaggc gtggatggca tcttataaat atgtaggtgc tccactaata tccatncata 480
tttgtccaca atgatcaact acgcccacct gtaaaggttc aaggttncat gtggcagaag 540
aaccncatat tcattataca tggcttcttt tatgaatant cggccttggt tcttgaancc 600
cttgcaatga atttgnaatt ntacca 626

<210> 200
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 200
actcataaaa aaagtcttac cccaaaattg caaacaaata cattaaaaga ttagaagagg 60
tgacagaaag caccagacat taaacaaaat aaaaataata aaataaattc aactcaaaag 120

gtccccattc agcaaatact ttgtaaagta tggcctgtat gtaaatagtg ctaaatcaag 180
gacttttag cagaaaattg ctcggttctt ttatctaagg cttgaatttg taaagtgaag 240
gcataaaagt taccaaacat taagtaactc ttaaaatggc acacaggttt taaagctatt 300
ggtttttcct tcctaactct ctgaattttt cccatggcct ttgtagatca actatttcaa 360
acgtatttta caccagcaac tctcaacata cttgtctttc agatatgtca tcagtcatgt 420
ctaacaggca aatagcanaa taacagattt aaaacaatcc ttaactanct agcaggacat 480
ttactttgga ttctgcataa ctgcaaactg acatatttgt aaagctaaaa atcagtttaa 540
tcntgattac agaaactcta tcatgctcat tacttaacta ttgnccttca atcgctattn 600
aaattcactt aatccaat 618

<210> 201
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 201
ggtactaggc acaatagaac atacagaaaa cattgtccct gctcttgagg agcttacatt 60
ctaaaagaaa aaatacacct tttttaaaat ggcatttttg tttggtgttt tctgcaaagt 120
acgcggggct ttttcttttt gaggaagacg cggtcgtaag ggctgaggat ttttggtccg 180
cacgctcctg ctcctgactc accgctgttc gctctcgccg aggaacaagt cggtcaggaa 240
gcccgcncgc aacagccatg gcttttaagg ataccggaaa aacacccgtg gagtcggagg 300
tggcaattca ccgaattcga atcaccctaa caagccgcan cgtaaaatcc ttggaaaagg 360
tgtgtgctga cttgataaga ggcncanaag aaaagaatct canagtgaaa ggaccaagtt 420
ngaatgccta ccaagacttt gagaatnact acgaganaaa ctccttgtgg tgaaggtcta 480
agacgtgggn tngnttccag atgagaattc acaagcgact tattgacttc acaagtcctt 540
ntgagattgt tangctgatt acttccttna ntatganccn ngaatttaag ngggangtna 600
ccntncagan gnttagttna ctatttt 627

<210> 202
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 202
actgcttaac gaaacactat cagcttgttt taaatggatc ttttaaatat caactgtagc 60
ctggttggct aattctttct aatcttcccc attactttcg cctagatttc ccatagatca 120
acaggcatag taaaatgcct catcagaaca cacttctcca cacaattcaa aaagggagct 180
cctgtgggct caaagcaacc atcagtccag caatgcccat gatttatctg aaactgcttc 240
ccaagagaca ggagtgcaga tctgagtagc tgtgctgcca atacagatag gtttagcact 300
agatatttag tgattgtggc aaggaagaat cggtgatgat gggggtggtg ggtgaaggaa 360
gggccagggg atctgaagga tcttcagttg ccttctcctg cttcttcatc ctgctggtcg 420
ctcgtccana gggtgaggtt gtctcgcagc aactgcatga tcagcgtgga gtccttatag 480
gaatcctcgt ttagtgtgtc cagctcagct atggcatcat cgaaggcttg tttggctaaa 540

agcangcttg ctcangtgca ttctggatct catagtagaa caccggagaa ntganggcca 600
ggcccaaccg gatnggatgc 620

<210> 203
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 203
ggtacttttt ttttttttt ttttttttt ttttttttt ttttttttt tgaaaaagtc 60
atggaggcca tggggttggc ttgaaaccag ctttgggggg ttcgattcct tcctttttg 120
tctaaatttt atgtatacgg gttcttcnaa tgtgtggtag ggtgggggc atccatatag 180
tcactccagg tttatggagg gttcttctac tattaggact tttcgcttcn aagcgaaggc 240
ttctcaaatc atgaaaatta ttaatattac tgctgttaga naaatgaatg ancctacaga 300
tgataggatg tttcatgtgg ggtatgcatc ggggtantcc gagtaacgtc ggggcattcc 360
ggataggccn agaaagtgtt ntgggaanaa agttagattt accccgatga atatgatagt 420
gaaatggatt ttggcgtagg tttggtctag ggtgtancct gagaataggg gaaatccgtg 480
aatgaaacct cctatgatgg caaatacact cctattgnta ggacataatg ngaagtgagc 540
tacaaccgta atacctgccc nggcnggccc ttannan 577

<210> 204
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 204
cgaggtactt gtttttttt ttttttttga gacggagtct cagtctgtca cccaggctag 60
agtgcagtgg cacgacatcg gctcactgca acctccgcct cccgggttca agtgattctc 120
ctgcctcaac ctcccgagta gctgggacta caggcatgtg ccaccacgcc tgactaattt 180
ttgtattttt agtanagatg ggatttcatt atgttggcca gctggtcttg aacttctgag 240
ctcaggtgat ccacccgcct tagcctncca gagtgctagg ataacaggca tgagccgtcg 300
cgcctggcca aaatagcata atgttttaag aaagtttacg aatttgtctt gggccacatt 360
naaaaccatc atgggccaag ggttggacaa gctagcctta ggtcatgtca gaatgcaatt 420
taacaggaat ttcaagcnaa acttacaaaa aattaaatcc acaaaaaaaa tatcatttgg 480
taaatgcact gnctacacac tttactncta agtccattca accatgacga ccctttacat 540
aaaaattagg gcattctccc aagttctaaa gatgatttct aaaacattac caangnctaa 600
agtctaattc ccacaaanca ttttttttn 629

<210> 205
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 205
ggtacaaatg cttttatatt cagcccctgt aaagccatca gatgtttgaa agtttttaaa 60
cacgaaccaa agggtttaat tttaagaact tagctaggaa tgggtgaaat cctacccaat 120
taatagagtt ctgcaaatta gtaacaaagt gtaaaatgaa aggaagggtc ccttggagat 180
gtgaaattct tctattgaga gtcctgtctt ctttattcaa gaagtttgta gccattttca 240
gaattcactc aagaaccaac ttcttaattt agatatcagc gaacaagtca tggcaaaaaa 300
tacacaaaga gaaacaccac cacatcgaaa aggatgaaaa gccagaggtc caaccagtan 360
gagtgtttgg gaagcccatt tgccccagac tgaggcctca catcgaagtt ctgcctcccc 420
gcgt 424

<210> 206
<211> 633
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 206
ggtaccaatg gtgcctcctg gaatcaagta tctttacctt aggaataacc agattgacca 60
tattgatgaa aaggcctttg agaatgtaac tgatctgcag tggctcattc tagatcacaa 120
ccttctagaa aactccaaga taaaagggag agttttctct aaattgaaac aactgaagaa 180
gctgcatata aaccacaaca acctgacaga gtctgtgggc ccacttccca aatctctgga 240
ggatctgcag cttactcata acaagatcac aaagctgggc tcttttgaag gattggtaaa 300
cctgaccttc atccatctcc agcacaatcg gctgaaagag gatgctgttt cagctgcttt 360
taaaggtctt aaatcactcg aataccttga cttgagcttc aatcagatag ccagactgcc 420
ttctggtctc cctgtctctc ttctaactct ctacttagac aacaataaga tcagcaacat 480
ccctgatgaa gtatttcaag cgtttaatgc tttgcagtat ctgcgtttat ctcacaacga 540
actggctgat agtggaatac ctggaaattc tttcaatggn gccatcctgg gtgaacctgg 600
acttgcctat accagcntaa aacataccac cgg 633

<210> 207
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(623)
<223> n = A,T,C or G

<400> 207
ggtacttttt ttttttttt ttttttttt ttagaaacta tggctcttta ttttcatgtg 60
gataattcaa acaaagtcat tagtagtctt tgttcaattt ttttttaaaa aacaaaaaaa 120
ccctcaaata aaaaatcttg ggcttaaaag aactctatca caggagcctg gttggaggat 180
tcctagtttt atacatgaga aatagaatgc agatttctct gaagagtgtt taaagaagga 240

atggtagttg aggggggctta tttcccaggc tcaaagtgat ttaggggtgg tgtcacagtg 300
ctaggtatag ggtgatggac agtgatcact gccgagggcc ttggaacgga tcttgctgtc 360
acacaatgca ggtaacagag agtgggacaa caaaaagtaa tcaaggcgcc aaccaacatt 420
cttggatcga gcattcatat ataagtccaa aaggtgtang cataaggtgt gttggggtan 480
aagtgcctaa agctgcaacc agtggcacan cctgcagtaa ttccccgaac cttggccttt 540
tggggcgtga anccnccatt cttttggtnc cctnggggtg cnaaggcaat ttttnatgtg 600
cccattgagg gttcaaacac aca 623

<210> 208
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 208
acgatgtcta gtgatgagtt tgctaataca atgccagtca ggccacctac ggtgaaaaga 60
aagatgaatc ctagggctca gagcactgca gcagatcatt tcatattgct tccgtggagt 120
gtggcgagtc agctaaatac tttgacgccg gtggggatag cgatgattat ggtagcggag 180
gtgaaatatg ccccgcgtac ttgctttgaa agattaccta ctattttatg ataaaatgta 240
gttgtctcca gagcttaaat ataatttgta aagcacttgg tttaaatttc tctctaccta 300
taaacagttt agcattaagg gtttctatta atgacacaga attattggcc aagtgtaatt 360
tcttaaaatt tagcattact ttaaatagcc agcatgtaat acaagtaact acactacctc 420
atatctacat gattttcaag ttgtaatgca gatggacaga taaaaaagat ttacgttgnc 480
ttttggccat aagtgggaaa agttttctgn atattgcata gcattacaca tttatgccta 540
ttttacatta acttctaaag aagtttttct aagaaaangg ttcaggcaat atttttgag 600
gctgccgaan aaaaatgant 620

<210> 209
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = A,T,C or G

<400> 209
ggtactggta caaaaacagg cacataaacc aatgaaacag aatagaaagc ccagaaataa 60
tgcttcaccc ccacaaccat ctgatcttca acaaaataaa caaaaacgag ccatggggaa 120
aggactccct attcaataaa tggtgctggg ataactagtt aaccatatgc agaagattaa 180
agctggaccc cttccttaca aaataaggag ctggacccct tatacaaaaa tcaactcaag 240
atggattaaa gccttaaatg tgaaactata aaaccctgga agacaacata ggcgattcca 300
ttctagacat cagaactggc aaagatttca tgaggaagac accaaaagca attgcaacaa 360
aagcaaaaat tgacaactgg gatataatta agtttaagag cttctgcaca gcaaaagaga 420
gactatcagc agagtaaaca gaccacctac agaatgggag aaaatatttg caaactatgc 480
atgtgacaaa ggtctaatat ctagcatcta taagtactta aacaaatttc aacagaaaac 540
caacacccca ttaaaaagtg ggcaaggaca tgaacaaatg cctttcaaaa gaagacatct 600
gcttntacag tttntgaaac aaag 624

<210> 210
<211> 504
<212> DNA
<213> Homo sapiens

<400> 210
acgcggggca gctagcagat gctttaggac ctagtatctg catgctgaag actcatgtag 60
atattttgaa tgattttact ctggatgtga tgaaggagtt gataactctg gcaaaatgcc 120
atgagttctt gatatttgaa gaccggaagt ttgcagatat aggaaacaca gtgaaaaagc 180
agtatgaagg aggtatcttt aaaatagctt cctgggcaga tctagtaaat gctcacgtgg 240
tgccaggctc aggagttgtg aaaggcctgc aagaagtggg cctgcctttg catcgggggt 300
gcctccttat tgcggaaatg agctccaccg gctccctggc cactggggac tacactagag 360
cagcggttag aatggctgag gagcactctg aatttgttgt tggttttatt tctggctccc 420
gagtaagcat gaaaccagaa tttcttcact tgactccagg agttcagttg gaagcaggag 480
gagataatct tggccaacag tacc 504

<210> 211
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

<400> 211
accatgaaat atccagaaca tacttatatg taaagtatta tttatttgaa tccacaaaaa 60
acaacaaata atttttaaat ataaggattt tcctagatat tgcacgggag aatatacaaa 120
tagcaaaatt gaggccaagg gccaagagaa tatccgaact ttaatttcag gaattgaatg 180
ggtttgctag aatgtgatat ttgaagcatc acataaaaat gatgggacaa taaattttgc 240
cataaagtca aatttagctg gaaatcctgg attttttttct gttaaatctg gcaaccctag 300
tctgctagcc aggatccaca agtccttgtt ccactgtgcc ttggtttctc ctttatttct 360
aagtggaaaa agtattagcc accatcttac ctcacagtga tgttgtgagg acatgtggaa 420
gcactttaag ttttttcatc ataacataaa ttattttcaa gtgtaacttа ttaacctatt 480
tattatttat gnatttattt aagcatcaaa tatttgtgca agaatttgga aaaatagaag 540
atgaatcatt gattgaatag tattaagatg tatagtaaat tatttatttt ananattaaa 600
ngangtttat taganaaan 619

<210> 212
<211> 479
<212> DNA
<213> Homo sapiens

<400> 212
cgaggtacaa agcagcaact gcaatactca aggttaaaac attagaaaag catttgtgtg 60
acaggtatat tacagtatta tcaaaatatt acattttcag acttacttag cagataatca 120
tccaccagag cttaaatctt taaattattt ccatagtctt aaaaaatatg taatgtcaga 180
atgcatataa aaagaatgta aaaggaaacc taaaatacaa atggaataat gtaacaaata 240
aatatttgat ttcagtaact gttaataatc agctcaacac caccattctc tctaaactca 300
atttaattct tataggaata atgaactgtc aaatgccatg gcataattat ttatttccaa 360
gctatcatca atgattagaa ctaaaaaaat tttggcataa aaaaatcaca attcagcata 420

aataaagcta tttttagctt caacactagc tagcatctct aagaattgtt gaaataagt 479

<210> 213
<211> 487
<212> DNA
<213> Homo sapiens

<400> 213
actgtttact gcctgggcac tatactttct atgcagatct cctttgtggg tttccagcct 60
gtcctttcat cagagcacat ggcagccttt ggggtctttg gtctctgcca gatccatgcc 120
tttgtggatt acctgcgcag caagttgaat ccacaacaat ttgaagttct tttccggagc 180
gtcatctctc tggtaggctt tgtccttctc accgtgggag ctctcctcat gctgacagga 240
aaaatatctc cctggacggg gcgtttctac tcactgctgg atcctctta tgctaagaac 300
aacatcccca tcattgcttc tgtgtctgag catcagccca caacctggtc ctcatactat 360
tttgacctgc agctcctcgt cttcatgttt ccagttggcc tctattactg ctttagcaac 420
ctgtctgatg cccggatttt tatcatcatg tatggtgtga ccagcatgta cctcggccgc 480
gacacgc 487

<210> 214
<211> 393
<212> DNA
<213> Homo sapiens

<400> 214
cgaggtacaa tatgctgcag cataatttgt caggccaacc ttcacaccat attttggcag 60
ttcgtgtgca tacgctgcgc agactatcat atccccctct atacgggcat aagcaatctg 120
acaaatgata tctctgtttg tcacacgaac tatcatcctg tatttgggtg tgttgtattt 180
atttttatct tgtatcacca agcgtttccg agcataataa tcagttttac cctctcgtcg 240
tcttctaaat ttcacttggt atctcttaaa gtaggcctta ttcttaacaa ctttaacaaa 300
ccccatcctg cggaacagag accggcgtcc gctgctcgac agagacctgc aggcccagcg 360
gcgctagggg gtgggaaaag ggccaccccc cgt 393

<210> 215
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G

<400> 215
ggtacagtaa caagtgttgg cattatcagt tgaactgtaa atacaaaatg cttcttccaa 60
ttagtctcta tgatgattaa gtttctaaaa tttatctgaa caccattcag aaacttgttt 120
tggggaattt gatagttatt gatgtgcatc tgttaaactg atgacagaca taactcatca 180
ttccccagaa acctttttg attacagtat ctaacatttt gcctcctctt ttttggtttt 240
gctggttata aaggtttgga ttggagaggg ctcactggat cccaatcctt ggagctggat 300
cattggattc aaatcataat gtggatagga tagggaggat gaattaccag gattcatgga 360
gcgggatcag attaccagga acataggagt ggattcctgc ccaaccaaac ccgcattcgt 420
gtggattttt ttattcaact taattggcta ttccaaagat tttttttcc tatttttgac 480
gaatggagcc cttaagatgc acgatggaat tgggtttgcg tttttggtaa aaggaccaaa 540
ccaggcctgg agataacgct ggagcaatct cntggaagga ttagccccaa ttgatgggaa 600

catttaangg ggaag 615

<210> 216
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

<400> 216
ggtacttttt ttttttttt ttttttttt ttttttggag ttgtaggcaa atgtttaatt 60
aattctgctc atatgcacat ctgaaagcat gagacacact ccacagacag cacgcactgg 120
ggctggtggg gcanatgggc actcgccgat taggtattaa tgtcaataat acgtgcataa 180
agtgctgata aaataactta agtgttacaa aaagagacag tccacggtgg ctgcaggcac 240
atgcaggcgg gactgggtca aacactccag ggctgcacat gttccagctg gcctgagtcc 300
gacacgtcat aactggcctt gt 322

<210> 217
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 217
acgcgggggg aagtgagcga cacactctgc gtcctcgcct caccagagtc ttgctgtgtg 60
gcccaggctg gagtgcccgg ctggtctcaa attcctgacc tcaagtgatc tccctcccaa 120
agtgttgcga ttgcaggtgt gagccactgc acctggctgc tgagaaatct ttgcctacag 180
tgagggaaac tactaaagtt cctggggaag caaagtaaga atttcataag aacaaaatgg 240
atggagagga gaaaacctat ggtggctgtg aaggacctga tgccatgtat gtcaaattga 300
tatcatctga tggccatgaa tttattgtaa aaagagaaca tgcattaaca tcaggcacga 360
taaaagccat gttgagtggc ccaagtcaat ttgctganaa cgaaaccaat gaggncaatt 420
ttagagagat ccttcacatg tgctatcgaa agtattcatg nattttacgt accttgggcc 480
gcgaccacct taaggccaat tncacacact ggcnggccgt actantggat ccnactngga 540
ccaacttggc gtaatcatgg catactggtt cctggggaaa atgtatccgt tacaattcnc 600
acacan 606

<210> 218
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 218
ggtacttttt ttttttttt ttttttttga gacggagttt ggcccttgtt gcccaggctg 60
aagtgcaata gtgcgatctc ggctcactgc aacctccacc ttccgtgttc aaccgattct 120
cctgcctcag cctcctgagt agctgggatt acagatgaaa aaacatttaa agcccttaag 180
gaagaaggaa atcaatgtgt aaatgacaaa aactataaag acgccctcag taaatacagc 240
gaatgcttaa agattaacaa taaggaatgt gccatatata caaacagagc tctctgttac 300
ttgaagctgt gccagtttga agaagcaaag caggactgtg atcaggcact tcagctagct 360
gatgggaacg tgaaagcctt ctatagacga actctggctc ataaaggact caagaattat 420
cagaaaagct taattgatct caataaagtt atcctactag atccaagtat tattgaggca 480
aagatggaac tggaagangt aactagactc ctaatcttaa ggataagaca gcaccattca 540
acaaagaaaa ggagagaagg aaaatgagaa tcaagaggng aatgaaggca ngaggancct 600
ggaaaacctg aggggagg 618

<210> 219
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 219
ggtacaaagc ggatctgagc ccggaaaatg ctaagctcct cagcacattc ctaaatcaga 60
ctggcctaga cgccttcctg ctagagctgc acgaaatgat aatcttgaaa ctaaagaacc 120
cccaaaccca aaccgaggag cgcttccgcc ctcagtggag cctgagagac actctcgtaa 180
gttacatgca aactaaagaa agtgaaattc ttcctgaaat ggtatctcag ttcccagaag 240
agatactgct cgccagctgt gtctcagtgt ggaaaacagc tgctgtgctg aaatggaatc 300
gagaaatgag atagaattat ttcctcagct atctttggat gactttggag agaagactcc 360
tctctcctcg tctgcggcgt ggacttgatc atggactggt gcctttgcat tcagaaggag 420
agctgtcagc gtagcaccga attcaagacc aaggcgtgct acctgagctg acagcttttt 480
gaaagccgag ctggttctga accatgtcct gcccnggcng gcgctcgaaa gggcgaattc 540
agccactggc ggccgtacta ntggatccga actcggacca aacttggcgt aatatgggca 600
tactggttcc tgg 613

<210> 220
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 220
ggtacgcggg ggcagccgcg gtgttgtgct gtggggaagg gagaaggatt tgtaaacccc 60
ggagcgaggt tctgcttacc cgaggccgct gctgtgcgga gacccccggg tgaagccacc 120
gtcatcatgt ctgaccagga ggcaaaacct tcaactgagg acttggggga taagaaggaa 180
ggtgaatata ttaaactcaa agtcattgga caggatagca gtgagattca cttcaaagtg 240
aaaatgacaa cacatctcaa gaaactcaaa gaatcatact gtcaaagaca gggtgttcca 300
atgaattcac tcaggtttct ctttgagggt cagagaattg ctgataatca tactccaaaa 360

gaactgggaa tggaggaaga agatgtgatt gaaagtttat cangaacaaa ccgggggtca 420
ttcaacagtt tanatattct ttttaatnnt ttcttttncc tcaatccttt tttattttta 480
aaaatagttc ttttgtaatg tggtgtcaaa acggaattga aaactggcac cccatctttt 540
gaaacatctg gtaatttgaa tctaatgctc attatcatta tggttggttt cattggcnga 600
attttgggga tcaanc 616

<210> 221
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G

<400> 221
ggtacagtga tagctccccc tgggcaatac aatacaagaa cagtgggttt tgtcaaattg 60
gaacaaggaa acagaaccac agaaataaat acattggtta acatcagatt agttcaggtt 120
actttttgt aaaagttaaa gtagagggga cttctgtatt atgctaactc aagtagactg 180
gaatctcctg tgttcttttt tttttaaatt ggttttaatt ttttttaatt ggatctatct 240
tcttccttaa catttcagtt ggagtatgta gcatttagca ccactggctc aatgcgctca 300
cctaggtgag agtgtgacca aatcttaaag cattagtgct attatcagtt accaccattt 360
ggggctttta tccttcatgg gttatgatgc tctcctgatg acacatttct ctgagttttg 420
taattccagc caaagagaga ccattcacta tttgatggct ggctgcatgc agacatttaa 480
agcttttaga gaatacacta caccagggag tatgactact antatgacta ttagganggt 540
aatacccaga attggactcg caccttaggc aagatccaac cactaaattg aataagaatg 600
agtngatgag gtncc 615

<210> 222
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(617)
<223> n = A,T,C or G

<400> 222
ggtacttttt ttttttttt ttttttttt ttttaattta tgattttatt gnctttcctt 60
tgtccggcct ttaacatgtt tctgtaattt aaataaaaat ctatttactt tctccatttt 120
agcaaatggt ttctttaccc aaataggttg cactatagtc cccatatggt tttctactgn 180
tccacaacca ctatttcaca aagattgaca aaactttaat aaaagttaaa tttacagaca 240
tcttaagata acttgggaaa tatgtagtaa aaaagaatcg agtccacaaa ttaagaatat 300
tttgctaata tgcccaacac caatttcagc aaatccaatc tacttaactc atatatttaa 360
tgnggtaatt tttctaacaa aatttaatgg gggtatgaat gatatattta tgcccttgac 420
aaagatgaca tgtgtgattt tggtgngact aanaaaggag aagtatgatt tctggngggt 480
atganatcac tctggctcat cgaagctcca gaatatgtaa gggtctgnca cgtccaaaaa 540
tgttaggcna atgtataaaa ggccacccgg ctnacacacg ttttatatac aaactttngn 600
agtcctttta tntcata 617

<210> 223

<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

<400> 223
ggtaccacaa ctgtgccctt gataattagt aatcactcct aaaaatcttc atttggcacc 60
agatggtgtg tttaaaacac cctaggatgt tttgaatcag gcttgatttt gttagttgag 120
ttacaggaga attttaaggg tgagggtatg ggggtcaggg aagaaaagga aatgggaaat 180
ggaccagaaa aaatcttgag tcatcatcta aatcaacaaa gcactgatag ctccaaatat 240
taggtcagac actaaaacga ctgatatagg ctcaagtggt ttataaaacc tataaaaaga 300
ctacaccagc aaagtccctg tcaatctgtc agagttcaga aactaaaaca gggagtaaca 360
ttttagctta aaaccttatc tcaagagaat catatacact tcacatgaat aaaaatacct 420
gaaaccaaac atttttaaaa gctccagtcc tgcccnggcc ggccgctcga 470

<210> 224
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 224
gcgtggncgc ggccgacgtn ctctttttt ttttttttt ttttttgcnn actaaaaatn 60
ngattgctct ttaaagcctt aggccgnatg acaaaatgan nagactgaaa tgacancggg 120
gaggaagaaa cagannaaag ataagaatga ggtggtcagg ttgggggaat taagcgaata 180
ttcncttccn nggtgagtcc tnacactggt ctcatgccca tgatgagttg cacaccaaac 240
acnggctgnt gacttncctc ctgcnctant cagtgaactt gcngacatng ggnancctca 300
cattacagnt ataannttte cacctaaaaa atgctgcgct tttcgacngg ctcnnncagn 360
ggccggggct tgacatggng gaanggattt ctctcccatg ccaaggaatt catcacatca 420
ctgntactcc actgncaacc ttntccattg ggctcngtgc cctgtgtngg gtcatggacc 480
cantccanaa ntatgaatac tgtaccatgc tcttaaccag gaggacctaa ggatccttag 540
ncccntgagn nanacaccag gnttcaaagg ccgttttggn aagccaaatt tgnttnggnc 600
cgaattnggg ccaaacangg tt 622

<210> 225
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

<400> 225

acgcggggag ttccgccatg gcctccttgg aagtcagtcg tagtcctcgc aggtctcggc 60
gggagctgga agtgcgcagt ccacgacaga acaaatattc ggtgctttta cctacctaca 120
acgagcgcga gaacctgccg ctcatcgtgt ggctgctggt gaaaagcttc tccgagagtg 180
gaatcaacta tgaaattata atcatagatg atggaagccc agatggaaca agggatgttg 240
ctgaacagtt ggagaagatc tatgggtcag acagaattct tctaagacca cgagagaaaa 300
agttgggact aggaactgca tatattcatg gaatgaaaca tgccacagga aactacatca 360
ttattatgga tgctgatctc tcacaccatc caaaatttat tcctgaattt attagcccgt 420
ggggccaatt ttttaactca natcttgctg agaccaggag catctgattt aacaggaagt 480
ttcagattat acccgaaaaa gaagttctag agaaattaat agaaaaatgt ggttctaaag 540
gctacgtctt ncaaatggag atgattggtc nggcaagaca gttgaatatt ctattggcga 600
ggttccatat canttgngg 619

<210> 226
<211> 277
<212> DNA
<213> Homo sapiens

<400> 226
acgcggggcc cctcatttac ataaatatta tactagcatt taccatctca cttctaggaa 60
tactagtata tcgctcacac ctcatatcct ccctactatg cctagaagga ataatactat 120
cgctgttcat tatagctact ctcataaccc tcaacaccca ctccctctta gccaatattg 180
tgcctattgc catactagtc tttgccgcct gcgaagcagc ggggggccta gccctactag 240
tctcaatctc caacacatat ggcctagact acgtacc 277

<210> 227
<211> 328
<212> DNA
<213> Homo sapiens

<400> 227
ggtacatatt tttgccaatg ctatacagca aaaatgaaaa acttacagaa aggtaaacaa 60
aattgagtcc actttttaa tttcacaagc tgctttaaac tatagaacca ccagatatct 120
gtaaaataag caaaactggt aagtgtgttt ttttaattga gggaaggagg gccagaggag 180
ttggtgcaga agcgcttcgg gtgaattcat accagagcca ccgggtgtga ctcggctacc 240
tctcccaatt accacaggga ggtcttaaaa ttgaatttca gtttcagcag atactccaga 300
tttacctgag caatatcata gacaatgt 328

<210> 228
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 228
acgcgggagt tcaagcagat gtatggctaa ccggaaacag gtgggtcacc tcctgcaaga 60
agtggggcct cgagctgtca gtcatcatgg tgctatcctc tgaacccctc agctgccact 120
gcaacagtgg gcttaagggt gtctgagcag gagaggaaag ataagctctt cgtggtgccc 180
acgatgctca ggtttggtaa cccgggagtg ttcccaggtg gccttagaaa gcaaagcttg 240
taactggcaa gggatgatgt cagattcagc ccaaggttcc tcctctccta ccaagcagga 300

ggccaggaac ttctttggac ttggaaggtg tgcggggact ggccgaggcc cctgcaccct 360
gcgcatcagg actgcttcat cgtcttggct gagaaaggga aaagacacac aagtcgcgtg 420
ggttggagaa gccagancca ttccacctcc cttccccaac atctctcana gatgtgaaac 480
cagatctcat ggcaacnaag ccctntgcaa gaagctcaag gaanctaagg aaaatggacg 540
ttttcagana atggttgtag ttcatgggtt ttncctactg ccgggtcctt tcttangacc 600
cgcanaant 609

<210> 229
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

<400> 229
ggtacttttt ttttttttt ttttttttt gcagactaaa aattttattg ctctttaaag 60
ccttaggccg tatgacaaaa tgaagagact gaaatgacag cggggaggaa gaaacagaag 120
aaagataaga atgaggtggt caggttgggg gaattaagcg aatattctct tccagggtga 180
gtcctcacac tggtctcatg cccatgatga gttgcacacc aaacacaggc tgctgacttc 240
cctcctgcac tagtcagtga acttgcagac atagggtaac ctcacattac agttataatc 300
tttccacctc agaaatgctg tgcttctcga caggctcgca cagtggccgg ggcttganat 360
ggtggaggga tttctctccc atgcaaagta attcatcaca tcactgntac tccactccca 420
accttctcca ttgggctcgg tgccctgtgt ggggtcatgg acccaatcca acgtatgant 480
actggtacca atgctnttac cagggaggac acnaaaggat cccttacccc ctgagcacag 540
acccnaggtt tcaaanggcc gttttggcag gccaaactgn atntgnccag aatttggnga 600
caaaacaagg 610

<210> 230
<211> 346
<212> DNA
<213> Homo sapiens

<400> 230
ggtcggccga ggtaccatgc actgagtgac tgtggggatc atgttgttat aatgaacaca 60
agacacattg cattttctgg aaacaaatgg gaacaaaaag tatactcttc gcatactggc 120
tacccaggtg gatttagaca agtaacagct gctcagcttc acctgaggga tccagtggca 180
attgtaaaac tagctattta tggcatgctg ccaaaaaacc ttcacagaag aacaatgatg 240
gaaaggttgc atctttttcc agatgagtat attccagaag atattcttaa gaatttagta 300
gaggagcttc ctcaaccacg aaaaatacct aaacgtctag atgagt 346

<210> 231
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(601)
<223> n = A,T,C or G

<400> 231
ggtacgcggg gagagcacat ccggtgttag aagcgctggt aggccttgga gaggcgggtt 60
aggaagagtg gagactgctg cacggactct ggaaccatga acatatttga tcgaaagatc 120
aactttgatg cgcttttaaa attttctcat ataaccccgt caacgcagca gcacctgaag 180
aaggtctatg caagttttgc cctttgtatg tttgtggcgg ctgcaggggc ctatgtccat 240
atggtcactc atttcattca ggctggcctg ctgtctgcct tgggctccct gatattgatg 300
atttggctga tggcaacacc tcatagccat gaaactgaac agaaaagact gggacttctt 360
gctggatttg cattccttac aggagttggc ctgggccctg cctggagttt tgnattgctg 420
tcaaccccac atccttccac tgctttcatg ggcccgcaat gatctttacc tgcttaacct 480
taatgcactc tatccaagcg ccgtactcct tttctgggag gatcttgatg tcagcctgaa 540
cttgtgcttt gcttcctggg gaatgtttct ttggatccat tggcttttca gcnaactttt 600
t 601

<210> 232
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 232
actttttttt ttttttttt ttttttttt ttggttttaa tgtttatttc cccaagacag 60
cctagcctgc actctacttg gataaatttt acaagctagt tttctgctgc ttctagtttt 120
aaactttaac catgtttctg atgacaagga atgctgcaaa aatactctag ttcaacaaag 180
agttatgatc acaaaataat ttttatccat tctacagtgt ttcanaatta ccagttgatt 240
tttaaacaca aagtagatat agatgctaat ggtggctaat ctggtatgtt tcttatagca 300
aactgttgtt catgcaacac ttgtgctcaa aggggaaggc acaggatttc ctacaatgag 360
ccaccttata aagagttctt tttgnacctn 390

<210> 233
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(603)
<223> n = A,T,C or G

<400> 233
cgaggtacgc gggggaagag tgagggttcc aacttttctg cttatctggg aggtgttggg 60
cgcggacaat cgagatgtca gagaaaaagc agccggtaga cttaggtctg ttagaggaag 120
acgacgagtt tgaagagttc cctgccgaag actgggctgg cttagatgaa gatgaagatg 180
cacatgtctg ggaggataat tgggatgatg acaatgtaga ggatgacttc tctaatcagt 240
tacgagctga actagagaaa catggttata agatggagac ttcatagcat ccagaagaag 300
tgttgaagta acctaaactt gacctgctta atacattcta gggcagagaa cccaggatgg 360
gacactaaaa aaatgtgttt atttcattat ctgcttggat ttatttgtgt ttttgtaaca 420
caaaaaataa atggtttgat ataagaaaaa annnnnnnna aaaaaaaagt nctggccngg 480
cggccgttca aanggccaat tccacccact ggcggccgta ctaanggacc aacttggncc 540
aacttgggga atcanggcaa actggttcct ggngaaatgg nttcccttcc aattccccaa 600

<210> 234
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 234
cgaggtacct tcattgcgat caaaccagat ggggtccagc ggggtcttgt gggagagatt 60
atcaagcgtt ttgagcagaa aggattccgc cttgttggtc tgaaattcat gcaagcttcc 120
gaagatcttc tcaaggaaca ctacgttgac ctgaaggacc gtccattctt tgccggcctg 180
gtgaaataca tgcactcagg gccggtagtt gccatggtct gggaggggct gaatgtggtg 240
aagacgggcc gagtcatgct cggggagacc aaccctgcag actccaagcc tgggaccatc 300
cgtggagact tctgcataca agttggcagg aacattatac atggcagtga ttctgtggag 360
agtgcagaga aggagatcgg cttgtggttt caccctgagg aactggtaga ttacacgaac 420
tgtgctcana actggatcta tgaatgacag gaaggcagac ccattgnttt tcacatncat 480
ttcccttcnt tccattgggc aaaggaccag ctttnggaaa tctantnttt accnggacct 540
tattcttaat ttgganggaa actnttggac tttgangtnt tcctntacct ngcccgggng 600
gccgtttaaa agggna 616

<210> 235
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 235
acgcggggag tgcgttactt acctcgactc ttagcttgtc ggggacggta accgggaccc 60
ggtgtctgct cctgtcgcct tcgcctccta atccctagcc actatgcgtg agtgcatctc 120
catccacgtt ggccaggctg gtgtccagat tggcaatgcc tgctgggagc tctactgcct 180
ggaacacggc atccagcccg atggccagat gccaagtgac aagaccattg ggggaggaga 240
tgactccttc aacaccttct tcagtgagac gggcgctggc aagcacgtgc cccgggctgt 300
gtttgtagac ttggaaccca cagtcattga tgaagttcgc actggcacct accgccagct 360
cttcaccctg agcagctcat cacaggcaag gaagatgctg ccaataacta tgcccgangg 420
cactacacca ttggcaagga gatcattgac cttgngttgg acccaattcc aaacctggct 480
gaccatgcac cgggctttan ggnttnttgg gttttcccaa antttggggg ggaactgggt 540
ttgggttaac ttcctgntna tggnacgntt ttaaatgaat ntgggaaaaa tccaactggn 600
gntttcc 607

<210> 236
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 236
acgcgggcat gcaacaccac acccagcctg aaacccagat ttttaatatg aaatcaaagt 60
cttcagacct tgtaggtgtc ataaaaagca cgctgaggac cactagtttg caactgccaa 120
tctaaaatat catagacatt atatcacttc aaccacgaaa aaaaagtatg tgaggcagaa 180
aatggaagca accatgccta atttattgtt gaatactttt tccgtatacc aagagcttcc 240
tttgcactag catctgaaac tatatccaga atgacactgg ttttcataaa agtgttgatc 300
ctcacacctc tttatagtct tgcacctagc acagtggagt gaaacacttt aaatagcact 360
tgntccttga gtatatatgg aaaaaagtga agtattgata aagtgctcaa ctaatatgag 420
cagcatctca ggagtctcca attcttgaat taccagggag tatttttacc attttcccca 480
ntgnaaggcc ttttttgaga nacttaccct caaatngaan gnnttaagca tgntcctttt 540
tttttccttt ttttttgan aaaagggctt gctntgtggc caggttggan tgcctacntg 600
aaaattcn 608

<210> 237
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 237
actatttcat atattgtgtg agccccacaa atgtctattt taaaaagagt atagtccctg 60
gccaggcgcg gtggctcacg cctgtaatcc cagcagtttg ggaggccgag gtgggcggat 120
cacctgaggt ctggagttcg agaccagcct gaccaatatg gtgaaacccc gtttctacta 180
aaaatacaaa attagctggg catggtggag catgcctgta atcccagcta ctcgggaggc 240
tgaggcagga gaatcacttg aacccgggag gcgaaggctg cagtgagcca agatcacgcc 300
attgcactcc agcctgagca acaagaggga cactccgtcc ccaaaaaaaa aataataaaa 360
aaaataaaaa ataaaaataa aaagagtata gttcccaatg ggttctacaa acattcctga 420
tttatactgg gggaagtgat gcctaantgg gaacattaat cattatggtt tcgaaaatta 480
aatatttctg caaacaattc ctttgcaaat gctaacttgc catgagctta ccccatttga 540
aattgngnct ttacaaagac cttggccgga ccccttangg ngaattcagn cactggnggg 600
cgttctttg 609

<210> 238
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 238
acgaggcggt gcgggaagtc ctgcacggga accagcgcaa gcgccgcaag ttcctggaga 60

cggtggagtt gcagatcagc ttgaagaact atgatcccca gaaggacaag cgcttctcgg 120
gcaccgtcag gcttaagtcc actccccgcc ctaagttctc tgtgtgtgtc ctgggggacc 180
agcagcactg tgacgaggct aaggccgtgg atatccccca catggacatc gaggcgctga 240
aaaaactcaa caagaataaa aaactggtca agaagctggc caagaagtat gatgcgtttt 300
tggcctcaga gtctctgatc aagcagattc cacgaatcct cggcccaggt ttaaataagg 360
caggaaaagt tcccttcctg ctcacacaca acgaaaacat ggtggccaaa agtggatgag 420
gtgaagtcca caatcaagtt ccaatgaaga aggggtatgt ctggcttgta acttgttggt 480
cacgtgaaga tgacngacga tgacttgngt ataacattna nctgggctgg caacttcttg 540
gggcaatgnt caanaaaact ggcaaaatgt ccgggccttt tttttagagc cccttggnaa 600
accccangcc ntttta 616

<210> 239
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 239
acagtctgtt cgagaacacc ttggtcatga aagtgacaac ctgctgtttg ttcagatcac 60
aggcaaaaaa ccaaactttg aagtgggttc ttctaggcag cttaagcttt ccatcaccaa 120
gaagtcttct ccttcagtga aacctgctgt ggaccctgct gctgccaagc tgtggaccct 180
ctcagccaac gatatggagg acgacagcat ggatctcatt gactcagatg agctgctgga 240
tccagaagat ttgaagaagc cagatccagc ttccctgcgg gctgcttctt gtggggaaag 300
ggaaaaagag gaaggcctgt aagaactgca cctgtggcct tgccgaagaa ctggaaaaag 360
agaagtcaag ggaacagatg aacttccaac ccaagtcaac ttgtggaaac tgctcctggg 420
cgatgccttt cgttgtgcca ctggccctac cttgggatgc cagcntnaaa ctggggaaaa 480
gngcttctaa tgatancatc tttattgaag cctaagaagg ttctgaattg ggacccattt 540
gttcttcaac caattctggn cttaaatcca ccttgggggt cttccacctc cttggatttg 600
ncacctt 607

<210> 240
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G

<400> 240
ggtacgcggg gcttttcaca agatggcgcc gaaagcgaag aaggaagctc ctgcccctcc 60
taaagctgaa gccaaagcga aggctttaaa ggccaagaag gcagtgttga aaggtgtcca 120
cagccacaaa aagaagaaga tccgcacgtc acccaccttc cggcggccga agacactgcg 180
actccggaga cagcccaaat atcctcggaa gagcgctccc aggagaaaca agcttgacca 240
ctatgctatc atcaagtttc cgctgaccac tgagtctgcc atgaagaaga tagaagacaa 300
caacacactt gtgttcattg tggatgttaa agccaacaag caccagatta aacaggctgt 360
gaagaactgt atgacattga tgtggccaag gtcaacaccc tgattcggcc tgatggagag 420
aagaaggcat atgttcgact ggctcctgat tacnatgctt tggatgttgc caccaaaatt 480

gggatcattt aactgagtcc acttgctaaa tctgaatata tatatatata tatatctttt 540
cnccccaaaa aaaaaaaaaa aaaaaagtnc tncccggcgg ccgtttaaag gggaattccc 600
cacttggggg cgttt 615

<210> 241
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(365)
<223> n = A,T,C or G

<400> 241
acgggggggt cgctttgctg ttcgtgatat gagacagaca gttgcggtgg gtgtcatcaa 60
agcagtggac aagaaggctg ctggagctgg caaggtcacc aagtctgccc agaaagctca 120
gaaggctaaa tgaatattat ccctaatacc tgccacccca ctcttaatca gtggtggaag 180
aacggtctca gaactgtttg tttcaattgg ccatttaagt ttagtagtaa aagactggtt 240
aatgataaca atgcatcgta aaaccttcag aaggaaagga gaatgttttg tggaccactt 300
tggttttctt ttttgcgtgt ggcaagtttt aaagttatta agtttttaaa atcaagtacc 360
tnggn 365

<210> 242
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(625)
<223> n = A,T,C or G

<400> 242
natnggannng nttttccctt aacgtgggcc ncggccgagg nacttttttt ttttttttt 60
ttttttttt gcaggcagct atttaattan gntcttaana catttanaac nccaatttgn 120
gaanataaat tccattcgtc anaacaaacn cagatcgcan gtagccctgg anctgangaa 180
taactttgat ttttggnaaa atttgngagt ccncagcttt ctgatcaatc ttgcgctgct 240
cccnaatctc atatttctct ttttctgggg ccaaaatctt accttcctgg ngtctgggct 300
ttcgcaactt cttcttcttg aaagaagcct cagtaaaaat ggtttgggaa ttttacatta 360
ctgatatcca atttnggtga aatggcaatg accaatttct ngggggggtct tcgtaaaaga 420
actccantga nggnccaaag gtccagtccc aagtataggc nctnaccact gnttcaggaa 480
accacctttt gncctggggg gtccatgagg atgaccaaat ggncccgggg naagctggct 540
ccantttttt acggcctacc gaagggtttt tgccngggta aaagttttag ggccattttc 600
ngggnaaatc taggcttttg gaaat 625

<210> 243
<211> 639
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(639)
<223> n = A,T,C or G

<400> 243
nncnaattcc nccntaaccn ggnccccgnc caagnacccc ggcncctttg gatgtatnga 60
aatnaacnta ttaatgggga cntattggag aaggaaatnc ctagacctac aactttnagc 120
naatagcngt gatgttttag gaactgaaat gtcacactta aagtcttnag cccagctact 180
tccctatttt tgtggggaga aaanggccng attagaactg ttctggttgt gtttggcggg 240
aggggaataa tttttgttca gtccttctta gtgaccaaac tttaattttt aagaataata 300
tattgactta ctgaactgaa gcattctgag ttgaaaggag ctccncagga ntggagttct 360
gtgttgctca catgttnaaa ncttgctcac cttnatagcn caaggaatac ctatcttcca 420
natnccgcca ttttcatctc ttaaatgnag tccaaagtat gacttgagaa agttgctctn 480
ggattctggg gtcttaaaac tngggattct gggattntgg ggtccnaaag ttnaccttgn 540
aaagttgcct gggnttttan aaatncnctg nattctgggg ttttaaaaaa ttttgaaaaa 600
accccncccn ncttgaaagg gaccttaaaa attaacctn 639

<210> 244
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 244
tcgagccgnc ggcccgggcc aggtactttt ttttttttt ttttttttt gaaaatggag 60
tcttgctctg ntgccaaact ggantgcaat ggtgcganct gggctcactg naatctccac 120
ctnccgggtt caagcgattc tcctgcctca cctccgagta actgggacta caggtgcgcg 180
ccaccaagcc cagctcattt ttgnattttt agtanaaatg gggtttcacg atgttggcta 240
ngatggnctc gatctctggt caaagtcttt tctgnaaata tccttggtaa aaaaacaatt 300
ttagactgta gctgttgcaa atgctttaag gaagaaacna aacaactgca gtcttcctga 360
aatgaaaaaa ctccccaggg ctgctattna aaacaacccc accagcactt caatcatgat 420
gccnacagtg gcccactgaa aaancnggaa aagttcnaat cccaaactgg gatgctcttg 480
actntggaat tntgngggcn ntncccnant ttnanacaaa acngnctngg nccctntttt 540
ttgggggaat ttgggaanaa aaaaacttgn gngttcttgn ggttccnttg ttccccaaaa 600
nactgggggn nggg 614

<210> 245
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 245
gccgtggtcg cgggccgagg tccatttgcc tcccggcctc aagccgattc tcctgcctca 60
gccctccaag tagctgggga ttacaggcac ctgccaccat gcccggctaa tttttgnaat 120
tttagtagag acagggtttc accatgttgc ccaggctggt ttcgaactcc tgacctcagg 180

tgatccaccc gcctcggcct ccaaagtgct gggattacag gcttgagccc ccgcgcccag 240
ccatcaaaat gctttttatt tctgcatatg ttgaatactt tttacaattt aaaaaaatga 300
tctgntttga aggcaaaatt gcaaatcttg aaattaagaa ggcaaaaatg taaaggagtc 360
aaaactataa atcaagtatt tgggaaagtg aagactggaa gctaatttgc attaaattca 420
caaactttta tactctttct ggatatacat tttttttctt taaaaaacaa ctttngatca 480
gaatagcccc atttagaacc ttttggtatc agncaatatt tttaaatagt tnaaccnggc 540
ctaagctnaa agnggcttga tntgagtaaa cttttcaact ggcttgaacc ctnaaccttt 600
taaaatgacc ttccgagntt 620

<210> 246
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 246
acttattctt caggggttac tgagtcggca cctatgacag ctaagagagc tttcttaaag 60
actgcctcag tgtcttcttg gcttttggca ccttcactcc actctgccca ggaaatccac 120
aatggcagac aaacctgggg tttcaggtgc acaaagactt cttcaaaaag catggctatg 180
tcagggctct ttgactcgat cagcacctgc agcttcagct gccacattgt cccagagtct 240
ctaaacaatt caagttccag ctactgncac ttccagagct tcctcaggaa gttataacac 300
agcaacgaaa cactcaactg cttgtattgg cattctgaca gaagcttcaa gttcatgtgc 360
cttcctgaat acagtcatgg tctttncaac ctcttcctct aaggacccac tatttgactt 420
cttaataaat ctttccagcc aaaggngatg aacactttca catgggcctt gtggcaaaag 480
cttnatggct ttttatcncg gacagacctt tctcttcggg cgacctcaat ggtttggctt 540
ggtcgtggag ctggtntttg gctnggactc aacttnaatn ttgcttgccc naaac 595

<210> 247
<211> 364
<212> DNA
<213> Homo sapiens

<400> 247
gggtacacta gaaagtcttt tacaaaataa tcatcttaga tcaacagaag accaatcttc 60
aatgtcgtcc tgcaagatgg gttactttaa catctcctcc tgttttctcc aatgttctcc 120
tttagtatgg ctggtaattg ttttggtgat tgccaccccc tcgagatgcc ttgccataag 180
tgctctgttg gccactgtag tctgcatatc cctgtccata tccatagttc ccatagttat 240
acccagtata atcatatccg ccatagccac tatagttttg atcaccacca taggcactat 300
tgtaatttcc atatccttga tcataatagt tattaaatcc ttggttccag ttttggccct 360
gacc 364

<210> 248
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)

<223> n = A,T,C or G

<400> 248
ggtncagata tcttcaaagg aggaagaaga aagggaaacc agatggtgga cctgaatatg 60
ncccttancc aganctaatc aacccactca gccagaatag aagaagctgg aatagattcc 120
ccaacctggt ttgccagttc atcttttgac tctattaaaa tcttcaatag ttggtattct 180
gnaatttcac tctcatgant gcnactgngg cttaactaat attgcaatgn ggcttgaatg 240
taagtagcat cctttgatgc ttctttgaaa cttgnatgaa tttgggtatg aacagattgc 300
ctgctttccc ttaaataaca cttaaaatta tttggaccag tcagcacaac atgcctnggt 360
tgnattaaag cnnggatatg ctggatttta taaaattggc caaattagag aaatntagtc 420
ccatggaaat atatttcttg taaaaaagtg cttgaatctt tttggtcaag ataatgccac 480
tcttaagaat atcttcncac tnttgangga ttaaatatcg gcantggaaa agccttaaaa 540
atggggtcna cttgccttgn gcctaaaccg accctgaaat gggatttccc n 591

<210> 249
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

<400> 249
actctccgag agggtcgttt tcccgtcccc gagagcaagt ttatttacca aatgttggag 60
taataaagaa aggcagaaca aaatgagctg ggctttggaa gaatggaaag aaagggctgc 120
ctcaagagct cttcagaaaa ttcaagaact tgaaaggaca gcttgacaaa ctgaagaagg 180
aaaagcagca aaggcagttt cagctttgac agtctcgagg cttgcgcttg cagaaacnaa 240
aacagaaagg ttgaaaatga aaaaacccag ggtaccttgg nccgggacca cgcttaaggc 300
gaaattccaa cacacttggc cggccggtac ta 332

<210> 250
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(626)
<223> n = A,T,C or G

<400> 250
ggtactatta gccatggtca accccaccgt gttcttcgac attgccgtcg accggcgaag 60
ccctttggcc cgcgtcttcc tttgaactgg ttgcagacaa gggtcccaaa ganagcagaa 120
aattttcgtg ctctgagcac tggagaaaaa ggatttggtt ataagggttc ctgctttcac 180
agaattattc cagggtttat gtgtcaaggt ggtgacttca cacgccataa tggcactggt 240
ggcaaagtcc atctatgggg aagaaatttg aagatgaaga acttcatcct aaagcatacg 300
ggtcctggca tcttgtccat ggcaaatgct ggacccaaca caaatgggtc ccaatttttc 360
atctgcactg gccaagactg antggttgga tggcaaanca tgtngtgntt ggccaaagtg 420
aaagaaggca tgaatattgt ggaaggccat ggaacgcttt tgggtncnag gaatggcaag 480
aaccnccagg aagaatcacc cnttnttgac tggggacaac tcnaataagt tgacttgggg 540
nttaatntaa ccccccanca attccttttg gaactcagga aacacccttc ancccanttn 600

tttcaanttc caaaannttg ggcctn 626

<210> 251
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(603)
<223> n = A,T,C or G

<400> 251
actttttttt ttttttttt ttttttttc aacagaagaa cttttngttt ctttattttc 60
aatattngtc ttattaatat ttttcttatt ttataatgca attacaacaa tttaggagac 120
aaaacantat aaacaaaaga atgttaaata gttttttta aaaaatagct tgttgcttgc 180
aagaaagtcc atataatctt attccccccc aaatataatt ttatactttg cactaaacca 240
aaatagctta tggaaaatta ggtattaaat agctaaacac agaaaaccta cagctataaa 300
taacataaaa tacagtttaa ctttaatgng atgcttaaac aaagcaaact atgatgcant 360
atgaatcaac ttcattaatt ggacaagtcc agtgaggcnc aaattagata agcnctaaac 420
cctcatgatg ggcaagtgaa accttcaccc cagcaagggt ctttcnggtc ttggctatgc 480
caattccttc canaaaagnc ccagttttac angtctggct ttttccgggg gaacccccca 540
tttntttnnc ccaagttggt tnggatttgg cccccannaa attttttttg gngnaaaaan 600
aan 603

<210> 252
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 252
actttatttg ttttttttgt tttgttttgg ttttttttt ggcttgactc aggatttaaa 60
aactggaacg gtgaaggtga cagcagtcgg ttggagcgag catcccccaa agttcacaat 120
gtggccgagg actttgattg cacattgttg ttttttttaat agtcattcca aatatgagat 180
gcattgttac aggaagtccc ttgccatcct aaaagccacc ccacttctct ctaaggagaa 240
tggcccagtc ctctcccaag tccacacagg ggaggtgata gcattgcttt cgtgtaaatt 300
atgtaatgca aaatttttt aatcttcgcc ttaatacttt tttatttgt tttattttga 360
atgatgagcc ttcgtgcccc cccttccccc ttttttgtcc cccaacttga gatgtatgaa 420
ngcttttggt ctccctggga agtgggtgga ngcagccagg gcttacctgt accttggccg 480
cgaacaccta aggccaantt 500

<210> 253
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(634)
<223> n = A,T,C or G

<400> 253
tcgagcggcc ngcccgggca ggtactatta gccatggtca aaccccaccc gtgttcttcg 60
acattgcccg tcgacggcga acccttgggc ccgcgtctcc tttgagctgt ttgcagacaa 120
ggtcccaaag acagcagaaa attttcgtgc tctgagcact ggagagaaag gatttggtta 180
taagggttcc tgctttcaca gaattattcc agggtttatg tgtcaggggt ggtgacttca 240
cacgccataa tggcactggt ggcaagtcca tctatgggga gaaatttgaa gatgagaact 300
tcatcctaaa gcatacgggt cctggcatct tgtccatggc aaatgctgga cccaacacaa 360
atggttccca gtttttcatc tgcactgcca agactgantg gttggatggc aaacatgtgg 420
tgtttggcaa antgaaagaa ngcatgaata ttgtggaagc catgganccc tttnggtcca 480
ggaatggcag aacnnccagg aanacaccct tgntgactgt ggcaactcga ataaattgac 540
ttggggttat cttaaccncc caacattcct ttggacttag gaancanccc ttcancccnt 600
tggttcaant tcccaaaaat ttgggctncc tnng 634

<210> 254
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(602)
<223> n = A,T,C or G

<400> 254
nctttttttt ttttttttt ttttttaaat taattaatta aaaaataggt ggnctactgg 60
tggtccttaa gctggaantg cagtgggcac aatcatggnt cactgnagtc tnaacctncc 120
aggttcaagt gatcctccta cctcacctcc antagctggg attacaggca tatgcgacca 180
tgcccagcta atttttatt ttttgtaaaa acggggtctc actatgtcgc ccangctggn 240
cttgaactcc tgaactcaag tgacccttcc gnctnacctn caaagtgcta ggcttacagg 300
tgtgaaccac catgcctggc ctaaaaaatt tattttaaaa aagtaattta tctcttacag 360
ttgtggaggc tgagaaatcc aangncaant ggcncatttg gtgaaaacct tnttgctggt 420
ggggactctg tgaaatnccc aantggcnca tgcatnacac antgangggg cttacattcc 480
aacatgctat ctcttttaag ttttaaagta cnggccnaaa tntgaacntg aatgacttna 540
aatccacnca ttccnctttt ggacnaaaaa ccntgggcaa ttgggatctt ggcnttttna 600
aa 602

<210> 255
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 255
cgaggtacag gtaagccctg gctgcctcca cccactccca gggagaccaa aagccttcat 60
acatctcaag ttgggggaca aaaaaggggg aagggggggc acgaaggctc atcattcaaa 120
ataaaacaaa ataaaaaagt attaaggcga agattaaaaa aattttgcat tacataattt 180

acacgaaagc aatgctatca cctcccctgt gtggacttgg gagaggactg gaccattctc 240
cttagagaga agtggggtgg cttttaggat ggcaagggac ttcctgtaac aatgcatctc 300
atatttggaa tgactattaa aaaaacaaca atgtgcaatc aaagtcctcg gccacattgt 360
gaactttggg ggatgctcgc tccaacccga ctgctgtcac cttcaccggt ccagttttta 420
aatcctgagt caagccaaaa aaaaaaaacc anaccaaacn nanaaaccaa ttaagccatg 480
ccaatctcat ctggtttctg cncaagtang gttgncaaaa aagggttacc ncactaantc 540
ntagccccta aaccnttgcg ggggncantg angggccgan tttganactc cggntggtga 600
nccanttggn ggag 614

<210> 256
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G

<400> 256
ncntccagca gtgggtcatt cgncaacgaa agtcntaccg tagaaaagat ggcgtgtttc 60
tttattttga agataatgca ggagtcatag tgaacaataa aggcgagatg aaagggtctg 120
ccattacagg accagtagca agggaatgtg cagacttgtg gccccggatt gcatccaatg 180
ctggcagcat tgcatgattc tccagtatat ttgtaaaaaa taaaaaaaaa ctaaacccaa 240
aaaaaaaaat nnnannnaac annnnanaaa aannnnaaaa aaaaaaagta cctnggccgn 300
gaccacgc 308

<210> 257
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(602)
<223> n = A,T,C or G

<400> 257
gcgtggtcgc nggccgaggt acgcggggga gacaaaccat accatatccc accagagagt 60
cgcagacact atgctgcctc catggccctg cccagtgtat cttggatgct gctttcctgc 120
ctcatgctgc tgtctcaggt tcaaggtgaa gaaccccaga gggaactgcc ctctgcacgg 180
atccgctgtc ccaaaggctc caaggcctat ggctcccact gctatgcctt gtttttgtca 240
ccaaaatcct ggacagatgc agatctggcc tgccagaagc ggccctctgg aaacctggtg 300
tctgtgctca ntggggctga gggatccttc gtgtcctccc tggtgaagag cattggtaac 360
agctactcat acgtctggat tgggctccat gaccccacac agggcaccga acccaatgga 420
aaangntggg antggaataa cantgatgtg atgaattact ttgcatggga gagaaatcct 480
tcancatttt naaccccggc cctgtccaac ctntcaaaaa cncacatttt taaggggaaa 540
attttactgg atgggganggt accctttttnt ggaagtactg cttttcngga nggaagtacc 600
cc 602

<210> 258
<211> 600
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

<400> 258
ggtgtntgng ncttatntgt agcggcgcgg ntggttctga aatcgccttc agcggcgccg 60
cagtcntatt atgtgnatgt ccctaccacn aaaatncaga ttaattggna tgctcattac 120
ccacgtgaac gccaaagccc ttcgaagtag tgctgccctg cactnaatca agaagttgca 180
ttaaaattag aaccaaatcc agagtcactg gaacttttctt ttaccatgcc ccanattcag 240
gatcagacac ctagtccttc cgatggaaag cactagacaa agttcacctg agcctaatag 300
tcccagtgaa tattggtttt atggggatag gtgatatggn caatgaattc aagttggaat 360
tggnagaaaa acttttgct naagacncng aagcnaagaa cccatttct actnaaggca 420
cagatttaga cttggagatg gtagcttcct atatccaatg gatgatgctt tcagtccgtn 480
cnttgatcag tgncacnttn gaaagcagtt cccaagncct gnaacccagt cctaagccaa 540
gtccggttcn gcgattaatc cgactatgta tgcccttcat ngcccctgtn ataaacnggn 600

<210> 259
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

<400> 259
gccgaggtac atgggaaagg gagtatggng agctatttcc tttttaaagg atgaagacct 60
tcataaattg gcccctcgga ttctggtgat tcccgcccgc aagcgcaaat gctccagtgn 120
gttatgaaaa tgnttgntaa tctgctctgg ttcttcactg gattcaagan tcgggaggnc 180
ttctcgaatc ttttggataa nctggtttaa aacctgaatt gntacccgca tcattttcct 240
tttcataaaa atagatatat ctgntcagaa tttctatnaa aagctgcact tgtaganang 300
ggtccatgca ctgatttgct atttttaaag ctttttttan gcactccatt accctnttgc 360
cttcgtgaaa cttcttccca tttttgnccn ggttctggcn gaccngaaga aatgtgccca 420
agtgcttaca agttnggcct gacaaggttc nttaaaantt tggatgtacc aagggccccc 480
tgggtcctca aaggtcatga atctttttac tggaaccctt atcctttnaa aaggccatgg 540
tcaagggaat gnncttcttg gctttgaaac ccggattaan tttttncaaa aaaagccngn 600

<210> 260
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 260
acgcgggaac tccatcctca ccacccacac caccctggag cactctgatt gtgccttcat 60

ggtagacaat gaggccatct atgacatctg tcgtagaaac ctcgatatcg agcgcccaac 120
ctacactaac cttaaccgcc ttattagcca gattgtgtcc tccatcactg cttccctgag 180
atttgatgga gccctgaatg ttgacctgac agaattccag accaacctgg tgccctaccc 240
ccgcatccac ttcctctggc cacatatgcc cctgtcatct ctgctgagaa agcctaccat 300
gaacagctta ctgtagcaga gatcaccaat gcttgctttg agccagccaa ccagatggtg 360
aaatgtgacc ctcgccatgg taaatacatg gcttgctgcc tggtataccg tggtgacntg 420
ggtnccaaag atgtcaatgc tgccttggca ccattcaaac caagcgcaga ttcaatttgg 480
ggatggtgcc cactggcttt aaggtngnat naactaccag cttccactgn ggnnctggtg 540
gaaactngcc aaggnncctt ggccggaaca ccctangggg aattcanncc act 593

<210> 261
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 261
cctacctctc ttnccactgc aaatttctgg gatagaccaa aagtgaattt gattatgtgt 60
tggctgaagt tcttcattct gactgttgan gggaggtttt cctttgaaga gttttcatcc 120
cagactcagc tgtcttttca catggatgaa ataattcctg ctaccaacaa cagagcttca 180
ccaggaagtt gagttttcaa gatgccttgt tgctttgaag aagggagtga tgtcaattct 240
cttgntacat tctcccttta gcaacctgag taagagactc tctgccactg ggctgcaaaa 300
aaataaatta cttgaatctc cccttggccc angctgaggt acc 343

<210> 262
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 262
actttttttt ttttttttt ttttttgtt ttttttttt ttttttttt ttttttttt 60
ttttttttt ttacagngtn ttttcatttt tattactcaa aaaagtttca ttttttnat 120
ttanctttnt gactntgggc ttgggccttn aacantttca naacgatttt ntgctcctcg 180
anaaggaaag cnccccttgat cctgncacna acncntttag cncacatgga accnccatag 240
gccctgntga catgtttctt tgtttnggac aatntcataa aaactttagg nnttacagca 300
cnaacccctn naagtntgcc tgggcncaca ccanatgcaa attttggggc tttcccaacc 360
ttnttggnat aaaggtaaac aattttatta ccaggggttt cgggacaacc tanttttgtt 420
aaaggctgta ttgtaggaaa acctacctcg ggatgtcaaa cccttnacca ttttgagggn 480
ctggaaanaa ngttcccgga aancccgggg tancttnggc cggaaccccc taangggnga 540
attccnaccn cttgggggcn gtantaaggg ganccaantt gggccaaant tgg 593

<210> 263
<211> 591
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 263
accaagagtt tgctcctggc tgctttgatg tcagtgctgc tactccacct ctgcggcgaa 60
tcagaagtaa gcaactttga ctgccgtctt ggatacacag accgtattct tcatcctaaa 120
tttattgtgg gcttcacacg gcagctggcc aatgaaggct gtgacatcaa tgctatcatc 180
tttcacaaag aaaaagttgt ctgtgtgcgc aaatccaaaa cagacttggg tgaaatatat 240
tgtgcgtctc ctcagtaaaa aagtcaagaa catgtaaaaa ctgtggcttt tctggaatgg 300
aattggacat agcccaagaa cagaaagaac cttgctgggg ttggaggttt cacttgcaca 360
tcatggaggg tttaatgctt atctaatttg tgcctcactg gacttgncaa ttaatgaagt 420
gatcatattg catcataagt ttgctttggt taancttaca ttaaagttaa ctggatttta 480
agggaattat actgtaggtt ctggggtaac tatttaatac taattttcat aacnattttg 540
gttaatncca agttnaaatt tatttggggg gaanaaaatt tttggccttc t 591

<210> 264
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 264
accaagagtt tgctcctggc tgctttgatg tcagtgctgc tactccacct ctgcggcgaa 60
tcagaagtaa gcaactttga ctgccgtctt ggatacacag accgtattct tcatcctaaa 120
tttattgtgg gcttcacacg gcagctggcc aatgaaggct gtgacatcaa tgctatcatc 180
tttcacaaag aaaaagttgt ctgtgtgcgc aaatccaaaa cagacttggg tgaaatatat 240
tgtgcgtctc ctcagtaaaa aagtcaagaa catgtaaaaa ctgtggcttt tctggaatgg 300
aattggacat agcccaagaa cagaaagaac cttgctgggg ttggaggttt cacttgcaca 360
tcatggaggg gtttagtgct tatctaattt gtgcctcact ggacttgtcc aattaatgaa 420
gttgattcat attgcatcat agtttgcttt ggttaagcat cacattaaag ttaaactgga 480
ttttatggta tttatagctg nanggtttct ggggttanct atttaatact aaatttccat 540
aagctttttg ggttaangcc aagnttaaaa ttttttgggg ggggaaaaaa atttt 595

<210> 265
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 265
ggtacttttt ttttttttt ttttttttt ttgaaaatta tacttttatt tgagtcacca 60

ggagaaagat tcacttgtgg ttcaagtcaa atgttcanaa tcataacagg ccanaaaggt 120
ttgatcccga gcacaagccc acgagggagg ggaccaaaac agaccaaaat gagacaacaa 180
ccccatataa aaagatgaac tggcggcttc acacactcac acacatacac atacacacgg 240
atgaaatgtt tggacagagg caaatttcac gtggtcattt ctgtttcttt ttaaatacag 300
gtttgtgggg tggtattttg ttttttccag ctataaaaaa aggcccaaaa gtgcatgtgt 360
gaggggggaa aggcagaaat taagcaataa agtcattttc cctggaggga catganaggg 420
agaaaacagg aggcaattgc tggganaacg cactttctta acactgggct tttgggtatt 480
cttantattg gnccncaaaa agttattttc acattctaac tttgaagnct ntttccnggg 540
attnaatggn ccttaaaacc tttgggaact ttaaaaaaac cngggcttac cc 592

<210> 266
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(594)
<223> n = A,T,C or G

<400> 266
acgcggggaa aaaaaaggca gtattccctt tttaaatgag ctttcaggaa gttgctgaga 60
aatggggtgg aatagggaac tgtaatggcc actgaagcac gtgagagacc ctcgcaaaat 120
gatgtgaaag gaccagtttc ttgaagtcca gtgtttccac ggctggatac ctgtgtgtct 180
ccataaaagt cctgtcacca aggacgttaa aggcatttta ttccagcgtc ttctagagag 240
cttagtgtat acagatgagg gtgtcccgct gctgctttcc ttcggaatcc agtgcttcca 300
cagagattag cctgtagctt atatttgaca ttcttcactg tctgttgttt acctaccgta 360
gctttttacc gttcacttcc ccttccaact atgtcccaga tgtgcaggct cctcctctct 420
ggactttctn caaaggcact tgacccttcg gnctctactt ggcccctnac ctcaccccct 480
tctggcaccg gncntgngac attcacttcn gagaagaccn cccccaagga ggcnggcgnt 540
tggnccanga aaaaaccccg gggaagggtt tnttttttn aaagggaaat ttcc 594

<210> 267
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 267
actggccctc ggtgctggca aaggtgtagt tccactggcc gagggaatca agacatagtg 60
gtccttctgc taagccaagg gctgccacaa tgacacagta gccagatcct gcaattccaa 120
tgagagcagc caatacagaa gaaagcatcg cacatcgttt gccacagttt tcatggccac 180
agcagccaca gcagtcatcc tgttccagcc caatgaagac aaatgctggc aggagcatca 240
gcagggccac ctcctacgat gccagaaaag aaccacacga aacggctgag gtggttttcg 300
gaggcatact ttgttcccat tgggaaagta aagccaaata ttacccgcga tgcacaggaa 360
ggggcgagcc caaccagaaa atgtccgaat gcatcgtgca cacttcccat agcacatggt 420
ggtcttgcta ggtttttctc ccccttctct ttggncttca acttcagtga taccccaaat 480
tagatgaaag tggtgccctt ttgggtggaa aaagcaaaca ccaaccccgg gtacctttgg 540
gccggaacac ncttaaggcc aattccannc aattggcggc ccgtacttan gggatccc 598

<210> 268
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 268
ggacatatta tcaataggct ataagatgta acaacgaaat gatgacatct ggagaagaaa 60
catcttttcc ttataaaaat gtgttttcaa gctgttgttt taagaagcaa aagatagttc 120
tgcaaattca aagatacagt atcccttcaa aacaaatagg agttcaggga agagaaacat 180
ccttcaaagg acagtgttgt tttgaccggg agatctagag agtgctcaga attagggcct 240
ggcatttgga atcacaggat ttatcatcac agaaacaact gttttaagat tagttccatc 300
actctcatcc tgtattttta taagaaacac aagagtgcat accagaattg aatataccat 360
atgggattgg agaaagacaa atgtggaaga aatcatagag ctggagacta cttttgtgct 420
ttacaaaact gtgaaggatt gtggtcacct ggaacaggtc tncaatctat gtagcactat 480
gtggctcanc cttggtaccc cttggattat atatcaacct gnaacatgng nctgggactt 540
actttcnaaa cnaaatnttc cttntttgaa gaaaatctgg gtttttgnaa 590

<210> 269
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(602)
<223> n = A,T,C or G

<400> 269
acttgaagga agtcgaatca gagatagact ctgaagaaga acttataaat aaaaaaagaa 60
tcatagagaa agttattcat cgactcacac actatgatca tgttctaatt gagctcaccc 120
aggctggatt gaaaggctcc acagagggaa gtgagagcta tgaagaagat ccctacttgg 180
tagttaaccc taactacttg ctcgaagatt gagatagtaa aagtaactga ccagagctga 240
ggaactgtgg cacagcacct cgtggcctgg agcctggctg gagctctgct agggacagaa 300
gtgtttctgg aagtgatgct tcaggatttg ttttcagaaa caagaattga gttgatggtc 360
ctatgtgtca cattcatcac aggtttcata ccaacacagg cttcagcact tncntttggt 420
ggtggttcct ggtcccntgg aagttggaac caaattaatg gngtagtctc tatacccaat 480
acctttggtt ttcatgtgta anaaaaaggn ccattacttt taanggattg tgctggnctt 540
attgngccan taacttttt ttaaatggcc cagttacngg ttttaattct taaaannaaa 600
aa 602

<210> 270
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(5
<223> n = A,T,C or G

<400> 270
ggtacgcggg ggtaggagcc tctctcccta ctgctgctac acaagaccct gagactgacc 60
tgcaggacga aaccatgaag agcctgatcc ttcttgccat cctggccgcc ttagcggtag 120
taactttgtg ttatgaatca catgaaagca tggaatctta tgaacttaat cccttcatta 180
acaggagaaa tgcaaatacc ttcatatccc ctcagcagag atggagagct aaagtccaag 240
agaggatccg agaacgctct aagcctgtcc acgagctcaa tagggaagcc tgtgatgact 300
acagactttg cgaacgctac gccatggttt atggatacaa tgctgcctat aatcgctact 360
tcaggaagcg ccgagggacc aaatgagact gagggaagaa aaaaaatctc tttntttctg 420
gaggctggca cctgattttg tatccccctg tagcagcatt actgaaatac ataggcttat 480
atacaatgct tctttctgga tattctcttg gcttgggtgg acccctttt ccggccccag 540
aattgttaan taatngaann nccntncann aagggnnnaa aggnaaatca ncttt 595

<210> 271
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 271
ggtacattga gatcccgcct ctacaaaatc aaaaaattag ccaggcaagg tggtgcgtgc 60
ctgtcgcccc agctacttgg caggctgagc tcaggaggtc aagcctgcct tgggccatga 120
tcatcccatg cactccagcc tgacattcag agcaagacct tgtctcaaag aaagaaaaac 180
atttttatgg tgttttcttt tttagtcttt tcaataatga aaattttcat tttacaggta 240
aaatgaaagg cctggcattt attcaagatc ctgatggcta ctggattgaa attttgaatc 300
ctaacaaaat ggcaacctta atgtagtgct gtgagaattc tcctttgaga tttcagaaga 360
aaggaaacaa tgtgattcaa gatatttaca taccagaagc atctaggact gatggatcac 420
tgtcccgatt caaattattc ttcagtccat ttccccttte tatttcagct ggtccttttc 480
acctaactgt cagtcattct ggtttcaacn atgctttatc tcatgtcctt gaatatagtt 540
ggggnacttt aatttttang gaataatnna acagnttccn ttaaaggntn ng 592

<210> 272
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 272
acattaaagt gtgatacttg gttttgaaaa cattcaaaca gtctctgtgg aaatctgaga 60
gaaattggcg gagagctgcc gtggtgcatt cctcctgtag tgcttcaagc taatgcttca 120
tcctctctaa taacttttga tagacagggg ctagtcgcac agacctctgg gaagccctgg 180
aaaacgctga tgcttgtttg aagatctcaa gcgcagagtc tgcaagttca tcccctcttt 240
cctgaggtct gttggctgga ggctgcagaa cattggtgat gacatggacc acgccatttg 300

tggccatgat gtcaggctcg gcaacaggct ccttggtgac actcaccaca ttgnttttca 360
agctgacttt cagcttgnca ccttggagag actttaaccc ggaccaaggg cccgatgcct 420
tccgttaccc aggaatttca tcaccaatgg tggtanttca ggaatgttgg caagtttcct 480
tggcatnttc ccaaanagtt tgttcccgtt cttnttgggn ggcangggct tcggaaaggg 540
ttnatttttgt ngggaaccna aaaactgggg tnaaactcct tnccggttna ngggtttccg 600
nnanccn 607

<210> 273
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 273
ggtaccgcca ttattctttt gggcaccttt ggttgttttg ctacctgccg agcttctgca 60
tggatgctaa aactgtatgc aatgtttctg actctcgttt ttttggtcga actggtcgct 120
gccatcgtag gatttgtttt cagacatgag attaagaaca gctttaagaa taattatgag 180
aaggctttga agcagtataa ctctacagga gattatagaa gccatgcagt agacaagatc 240
caaaatacgt tgcattgttg tggtgtcacc gattatagag attggacaga tactaattat 300
tactcagaaa aaggatttcc taagagttgc tgtaaacttg aagattgtac ctgccccggg 360
ccgnccgctc gaaagcttaa ntggccgttt cnaanncg 398

<210> 274
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 274
actttttttt ttttttttt tttgttgaat caaaagcagg gtttattttt ctatcaaatc 60
cccaatccat gttccagcca atggatgaag ggtgaatcaa gccccacata gactcttggt 120
aaaaacaatt ctaacttttct aaaaaaaaaa aaagccaaca cactttttc tttcttttca 180
aaaagctccc aggcctttgg gaacagctga aacaaattca tatcctgact aggtctgttt 240
tctcttaggt atttggatgg tccctctctg ctgccacttc tgcacagatg aggcactgat 300
aatggcctgc aggtcactca caatcctagc tccacatcac tccatggttt gataacctag 360
aaccacgtta tgatttccat ttataatgcc ctaagaacag ctgaaaagat ctgtattaaa 420
ttctgcaaat ctttattgag tgccactatt tgctgggcac angctaggcn ctggattctg 480
ctggttcttg agaaacctaa aanggnncct tnggccggaa cacccttang gcgaaatcca 540
cncactgggg ggcgtactaa ngggatccaa ctttggncca acttggg 587

<210> 275
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(588)
<223> n = A,T,C or G

<400> 275
actttttttt ttttttttt tttgccttta taagagaatt tttattgtta attatttacc 60
ttaatagttt cagaaagagg aacaaattag ctcagtccaa catgattggc agttggcata 120
ttctagtgaa gcaagtgttc tgactgctaa ggatttaatt tggataattt taatacttag 180
ccatctaaca cttcaagcat aacccagaat aaatgcacca ccttcctttc actttaatac 240
ccgnacctac ctcacttcga tataagaaat atcattcaat atgatttcca gaagggacaa 300
gtttcctgga gaatacaggc atganggaca atgcacaaaa agaaaaactc aaaatnaaac 360
tctggatgga taattactaa gctaagggaa ccaaaccttc caatttntaa agaaattaaa 420
tccggttcca aatgcctnat angnctatgt tnaaaaggtt ctggattaat accggaaaag 480
gnttgnttnt tacaggatnc cccaaccgtt acgggccctt ngcccagaat gggccttaaa 540
anccaaagng tcttttccgn ngaggcccca tttnanaatc cttntttt 588

<210> 276
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 276
actttagata catcattcct caaaaagttt ttaacggaga aagtggggca attcaatggg 60
ggaaaggacg gccttttaa caaatggtgc tggttctact gggtatctgc atccttgata 120
cacagaagtt aactcaagat ggaccacaga ctcacatgta agagctaaaa taacattctt 180
agaagaaatc atggaagtaa atcttcgtga ccttggatca ggtaatgggt actttttttt 240
ttttttttt ttttttttta tcagattaat tttactttat ttcttcaggc ctggggtttt 300
tcgatgactt caaatttggg atcttcaaat ttgaaggtgg gaaatggtat tcatgtctgc 360
attaccaaac atttgctttg acttaaaaag ctcctctcca gctcttgccg atctctgaac 420
tagcatcaac aggntcctcc agatgtctgg nccttaaatt tggattccct aatcttggcc 480
acaaagangt ttcttggata gggaacaaag ttcccttatt naaatgccan tngtngaacc 540
nccaatgttc cttcncaaaa ngggcttaaa ccggttaccc aattgacaaa ggaaa 595

<210> 277
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(597)
<223> n = A,T,C or G

<400> 277
ggtactgttc ctgttggccg agtggagact ggtgttctca aacccggtat ggtggtcacc 60
tttgctccag tcaacgttac aacggaagta aaatctgtcg aaatgcacca tgaagctttg 120
agtgaagctc ttcctgggga caatgtgggc ttcaatgtca agaatgtgtc tgtcaaggat 180

gttcgtcgtg gcaacgttgc tggtgacagc aaaaatgacc caccaatgga agcagctggc 240
ttcactgctc aggtgattat cctgaaccat ccaggccaaa taagcgccgg ctatgcccct 300
gtattggatt gccacacggc tcacattgca tgcaagtttg ctgagctgaa ggaaaagatt 360
gatcgccgtt ctggtaaaaa gcttggaaga tggccctaaa ttcttgaagt ctggtgatgc 420
tgccattggt tgatatggtt cctggcaagc ccatgtgtgt tgaaagcttc ttaaactatc 480
caccttttggg tcgctttgct ggtccngatt tgagacanac catttccgnn gggtggcaat 540
caaaccattg ggccaanaaa gnttntggac ttgcaagggn nccaaatttt ncccaaa 597

<210> 278
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 278
ggtacttttt ttttttttt ttttttttt ttagtttatt aaaatactga gttttatttc 60
acatgtatat ttttgtctcc ccaccatttc catgtctgac caccgctact actatgtcct 120
atcataacat tccatacata cttaaaacca agcaaagggt ggagttccat ctttaaaaac 180
taaacaggca ttttggacaa cacattcttg gcaatagaac ctggacaaca tttatcaaac 240
acggtaggga aagttctcac tctgcattat aaaaaggaca gccagatatc aactgttaca 300
gaaatgaaat aagacggaaa attttttaac aaattgntta aactattttc ttaaagagac 360
ttcctccact gccagagatc ttgaatagcc tcttggncag tcattccgga aacaattctt 420
ccataattga tgaatttggc tttcactttt gggaagagaa ccccctttc tatacttggg 480
tgcattttgc ttaaaggctt ctacaaacta gggcctttgg gggtttaaga gttttccngg 540
gtcttgaagg ntcttggcct ttgaacttgg ggtnaaaang gttgngcttt tccat 595

<210> 279
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(586)
<223> n = A,T,C or G

<400> 279
ggtacgcggg gagatacgtt cgtcagcttg ctcctttctg cccgtggacg ccgccgaaga 60
agcatcgtta aagtctctct tcaccctgcc gtcatgtcta agtcagagtc tcctaaagag 120
cccgaacagc tgaggaagcc cttcattgga gggttgagct ttgaaacaac tgatgagagc 180
ctgaggagcc attttgagca atggggaacg ctcacggact gtgtggtaat gagagatcca 240
aacaccaagc gctccagggg ctttgggttt gtcacatatg ccactgtgga ggaggtggat 300
gcggctatga atgcaaggcc acacaaggtg gatggaagaa ttgtggaacc aaagagagct 360
gtctccagag aagattctca aagaccaggt gcccacttaa ctgtgaaaaa agatatttgg 420
tggtggcatt naagaagacc ttgaagaaca tcacctaaga gattattttg acagtatgga 480
aaattgaatg attgaaatca tgacttgacc aagcatggcc aaaaaagggc tttgctttga 540
accttgagac atgattcngg ataaaatgcn tcnaatncnt ntggga 586

<210> 280

<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 280
actttttttt ttttttttt ttttttcttt ttttttttt ttttttttt ttttgaaaaa 60
gtcatgaagg ccatggggtt ggcttgaaac cagctttggg aggttcgatt ccttcctttt 120
ttgtctaaat tttatgtata cgggttcttc aaatgtgtgg tagggtgggg ggcatccata 180
tagccactcc aggtttatgg agggttcttc tactattagg acttttcgct tnaaaacgaa 240
ggcttntcaa atcatgaaaa ttattaatat tactgctgtt anaaaaatga atgagcctac 300
anatgatagg atgtttcatg gggngtatgc atcggggtaa tccnaataac gtcggggcat 360
tccggatagg cccaaaaang tttntgggaa aaaaagtttn atttaccccc attaaattta 420
tnnnnaaaag ggattttgcc taaggttggg ctaagggggt ancccngaaa attgggggaa 480
atcangnaat gaaacccccc ntgatggnca aaaacagctc ctnttggttg ggccttatng 540
ggaannggggc ttcaacntan naccttnggc ggnaaaaccc ttanggngaa ttnnnnncaa 600
ntgggggggg tn 612

<210> 281
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 281
acgctgcttc ttcagagcaa tacgccgccg tttgtgctgc aggacacgtg gagtaacaag 60
acgctgaatc ttgggtgctt tggtcctagg tttcttacct tctttattta agggctttct 120
tacaacatac tggcggacat catcttcttt agagagattg aaaagtttgc ggattctgct 180
agctcttttg gggcccaggc ggcgaggcac tgtagtatca gtcagtccag gaataccctt 240
ctctcctttt tttacaataa ccaagttgag aacgctcaga tttgcatcca caatgcaacc 300
acgaactgat tttctctttc tttctcagtt ctccttggtc tgtaacagga atgcccctta 360
ctcaatanca ggcggacacg ggcatgggtc aagacaccct gcttcatggg gaaaccttgg 420
ttgncgttcc accactggat tcggaccaca taaacctttc attcttnaac caaacgtaac 480
ancaactttt ggnggccata cnctttttata naaagtccgg ggganaagtn ttttgcagga 540
caagcctgta acnaatagtn aaatcccgga tttggattcc taancctttt ccn 593

<210> 282
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 282
ggtacaattc aagaaactaa gtatttatgg gcattgaaga aaaaatgttg agataaaatt 60
gctgtgcaga aaaaagtgtt aatgaagccg acctgactac ttaaccttag agacctgctt 120
tacaaggttg gcccttgatt ggcatctggg aacttggagt tcaggggct tccaccattc 180
ccagaactga tcaaagtagc ttactatatc taaactgtaa aacaatatag tttctcctga 240
acacctgctt tccttctggg agtctggaat tttggtatgt gccaggcaga gactaccttt 300
gtgaccagct cccagtaaaa accccaggca ctcagtctct aacaagcttt tctggttgac 360
agtgtttcac aagtgctggt acaactggtt gctgggagaa ttaagctcat cctctgtgat 420
tccactggcc gaggattctt ggaagcttgc acttaagttt cccctgactt caccccatgg 480
gctttttttcc ttgctgattt ggtttgnatc cttcctgnat aaatcatggc ctgaaccnaa 540
cttgaaaaaa aaannnnnnn nnaaaaaaag gtncttgccc ggcggccgtt naaat 595

<210> 283
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

<400> 283
actttttttt ttttttttt ttttttttt ctatttttt ttttttttgg ctntanaggg 60
ggtanagggg gtgctatagg gtaaatacgg gccctatttc aaagattttt aggggaatta 120
attntaggac gatgggcatg aaactgtggt ttgctccaca natttcanag cattgaccgt 180
agtatacccc cggtcgtgta gcggtgaaag tggtttggtt taaacgtccg ggaattgcat 240
ctgtttttaa gcctaatgtg gggacagctc atgagtgcaa nacgtnttgt gatgtaatta 300
ttatacgaat gggggcttna atcgggagta cctnggccgn naccacnc 348

<210> 284
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G

<400> 284
ggtacccatt aatttgctca gatatagcag gcttaatggt tctatatttt caaaagtttt 60
taagaatggt ttctaacgta ggagagggaa aacatccacc atccctttc agaatttaaa 120
tggagggcag taaacattct ttacacccaa aacctatggc agcagttcaa atttgaccaa 180
ggtaaatgta gaatagagat gttctaaaca cagctaggac tcagcaagtc taacacacta 240
aaatcatatg attacatttt aaaagaaaat gcacaaaaac caaatagaaa ttttgagatt 300
ttttttcatt tgaaggtaat cttaatgcta ttaaattcac aaatgctaat ttaaataccc 360
aatcctattt atctaaaaca cacattgcaa acacacaaat tatctattct ctccacatgt 420
cagccgccca ttcatatcat ggtttggaaa tgggggagaa atagattncc cttaaactgc 480
aagtcaacan ggggttcttt acagttaact ttagccaaat tcataccaaa tacccgggta 540
cctgcccngg cggccgttcn aaa 563

<210> 285
<211> 422
<212> DNA
<213> Homo sapiens

<400> 285
acaatggact ggatactaga aattttcttt tcactcaaca gaacataggc atcctggaat 60
tcacatttct gacctttga tgtattaata aagtatggag aaatatagcc tcgatcaaac 120
ttcatgcctt caataatttc taattcatca ttcagtgttt ttccatcctt tactgtgatg 180
acacccttc ttccaacttt tttcattgca tcagagatga tattgccaat ttctttgtct 240
ccgtttgcag aaatcgtagc aacctgtgca atttcttcag gggtggtcac aggtttagac 300
tgctttttaa gttcagcaat tacagcatca acagctaaca tcacacctct cctgatttcc 360
actggattag caccttgct aatcttctcg aagccttctt ggctatagag cgtgccagta 420
cc 422

<210> 286
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(588)
<223> n = A,T,C or G

<400> 286
actgttcctg caggttaagg caggactgga actcctccac agcttgcaca tagttttcag 60
attcaacact aacttctccg agtttaagat gtgcctgggc agcataaagc tgtgcttctt 120
ttgtttcttg ccttttaaaa atgatctttg ctaaatccag catatcccag gcaagctcta 180
ggttcccaat ctcctcctcc tcatttttctt gaagagactt gttttcaagg actgaatcat 240
ttggcatttc ttcggtctta tcatttttctt tatcatcctc ttctgagcct tcagtttcat 300
ctatgttatc attatttttct accagagatt catcttctgn tnttttctcc ttcttcctct 360
tncacatgca caccttccaa ggcgtttcca acacaccatt cttcatcttg ccaacttcag 420
aagtggattt ccatagaaaa agaangnttn ttcacactta ttaactgctc ttcatacttt 480
ttacctnaaa gactaactgn ttcctggaat gcattggccg ctgctnggaa atccccatan 540
cngaagttnt ggcctaancc aaagttntta gttactttcc catccgac 588

<210> 287
<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G

<400> 287
actggaactc caggaagcgc tggccagcct catacgggag ccatttttct ttcactgcct 60
ctgctgctga catcttcttc tttcccttca caccctcgaa gcctatgaag gctttctgag 120
caggcttcag cctggtggcc atgtcttggt caatcacacc ctgggagact gcgtcctgaa 180
gtgacagctt ctggcccgtg gttgggtgga tgatgccacc tgtgcaggcc tgagcctcca 240
gaagcctctg acccgtgatg ctgtcaacga tgccccgctc tataccttct gtaatggaga 300

ttttctccag gttttctgtg tcaaagatgg ctgcaatggg gctcgatttt tncagggtgt 360
ctgaaaaaga actgctcctt atggntaaat tcctgacctg gatatggtgg aaatcttact 420
tactgattca tgtcgggagc tgctaaaaac atnatcgttg caccactggc catgctgtgn 480
ttggngccac accatttttn angngacatg taacnaattg antaggttag nttccgaacg 540
gaccttggcc ggaacaccta aggngatcan ncatggggcg tnn 583

<210> 288
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 288
ggtacttttt ttttttttt ttttttgtt atttagtttt tatttcataa tcataaactt 60
aactctgcaa tccagctagg catgggaggg aacaaggaaa acatggaacc caaagggaac 120
tgcagcgaga gcacaaagat tctaggatac tgcgagcaaa tggggtggag gggtgctctc 180
ctgagctaca gaaggaatga tctggtggtt aagataaaac acaagtcaaa cttattcgag 240
ttgtccacag tcagcaatgg tgatcttctt gctggtcttg ccattcctgg acccaaagcg 300
ctccatggcc ttcacaatat tcatgccttc tttcactttg ccaaacacca catgcttgcc 360
atccaaccac tcagtcttgg cagtgcanat gaaaaactgg gaaccatttg gggttgggtc 420
cagcattttg catggaccan aatgccagga cccctatgct ttaaggatga anntcttatn 480
ttnaaatttc ttcccataaa nggcttgcca ccaangccat tatngcgngt gaagcaccac 540
ctgacccata accctggaat aattntnnga aaaccggacc cttntaccna atctttttc 600
aggggnn 607

<210> 289
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 289
actttttttt ttttttttt tttgagaatg aataagcagt tctttaatgg ttatttaaat 60
atattccaga agagcgttta taattcattt acaagtgcag tattgcgcta gtaaatgtta 120
cttgacctct tgtataaata atgccgatta agaattagtc ctggaatagt tttcgaattt 180
ctaactctgt agatctaaaa cacaattgta aatggtataa agatgtaaga atcatattgt 240
gataaagtca atctcaaaaa tagagaatcc agacccttcc cagataattt aagaactgag 300
ttttcctcaa cttaaacatg atggccacac agaaaacagt aaagacactt ttcgatgtga 360
tacaactgga taaaactcga gaatatgagt atttagngac caatgnatan acattantgg 420
aattttaaaa nccctttaa tctgaagccg aaaaaaangc cattttccaa gaattattgn 480
gccctaatca tcatcnannc nngaatanna tncnttcccn ggatagnnnn nnntccncct 540
tnggaaantg ggccnaantt ntttggtntn aaagggggnc cnttaantcc n 591

<210> 290
<211> 592

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 290
ggacttggaa atggttgtct ggaaagcttc cactttggtc ttgacggcat tcaccctctc 60
cagcaccttc tcctggattg ctaccccaaa atcatttcca tcttcaatct tggggatcag 120
gtgttggatc catgtaatca ccagaatgca tttctctttg agagtccaga cttctggctt 180
aaccagggca agcagggaca ggactttctc attcccaggg agaaatccac acttagggac 240
ttctttcttc tcctgcttat ctgtttccat ctcatcatcc ttgggtggag ggtctgggat 300
ggggatgtcc agtggggccc ggagggaagt caagtcagcc acattgaggg agtcctcttg 360
caagagctga ttcaggtata tgattttctg tggcaagaat ctgtagagga attcctcanc 420
ctnctggaaa agaatctgtc tgaagacctt cacctggttg cgggctttcc cgctaagcgc 480
accccacacg gtttgggcct gctgntttaa tccttaanct ctggcttccg gntagtcccc 540
cgggaccttg ccggccggcc ntcaaagggc aattcancna ctggcggccg tn 592

<210> 291
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 291
acagtggcat gatctcggct cactgcaacc tctgcctccc gggttcaagc aattctcctg 60
cctcagccac ccaagtagct gggactacag gtgcgtgcca ccacgcccag ctaaattttg 120
tatttttagt ggagacgggg tttcaccatg ttggccagga tggtctcaat ctcctgaccc 180
tgcgatctgc ccacctcagc ctcccaaagt gctgggatta caggcgtaag ccaccgggcc 240
tggcctgttt tatgattctt aatagttact tggtttaaat cacatttgat actatccttc 300
tgaaaagtct gagacagatc tacaaactac agtcaaaatt atagattaag aggaatgaat 360
gcacctattt ggctttaagt tgaagatgaa ttatttctca tgctcatttt cttgcngcag 420
ttatcttaga aagacccccа aaggcttgtg attgtaaagc acttgcatga tcacagaatg 480
caagcttctg gtaccttcgg ccgtgacacg ctaagggcga attcatcaca attgcgggcc 540
gtacctatgg atccannctc ggtccaactt ggcggaatca tgggcatact gnttcctggn 600
nnaaatgtn 609

<210> 292
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(568)
<223> n = A,T,C or G

<400> 292

actgcccaga aggagttcat aaagaataca aagaagaccc caaaagatgt cacgatggca 60
ctattgaatt cacgagcatc gatgcacaca atggtgtggc cccatcaaga cgtggtgatt 120
tggaaatact tggttattgc atgatccaat ggcttactgg ccatcttcct tgggaggata 180
atttgaaaga tcctaaatat gttagagatt ccaaaattag atacagagaa aatattgcaa 240
gtttgatgga caaatgtttt cctgagaaaa acaaaccagg tgaaattgcc aaatacatgg 300
aaacagtgaa attactagac tacactgaaa aacctcttta tgaaaattta cgtgacattc 360
ttttgcaagg actaaaaact ataggaagta agggtgatgg caaaatggac ctcaatggtg 420
tggaaaatgg angnttgaaa gccaaaacca tnnnnnaaaa ncttagggcg aattccannc 480
actggcggcc gtnctaangg atccagcttg gncccaactt ggggtaatca tgggcataac 540
tggtncctgg ggaaaatggt ttcccnnn 568

<210> 293
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(603)
<223> n = A,T,C or G

<400> 293

ggtacttttt ttttttttt ttttttttt ttttttctt ttttttttt tttttngcct 60
ttttaanaaa cttttatttg agnggntntt acaaanattg nngcaatatg aaagtcattt 120
gtttgatana aatatcaagc tgncttgtca aacacnctga agtaacccaa aaatntnttt 180
caaagctcac anagcttaaa aagagcnaag attntntgca accagacaaa acctatttnt 240
gcatttccta tttctttctn aaactgnttt gcctaccaaa ctttnacgtt taaacatttt 300
caggaaatgc agggatcatt ttgtttggaa ttttaagacc ccccngaacn cataggtntt 360
tacaaagaaa cttttcccga tcccttaatt gaaaagaacc ntccnaaata taaantttgn 420
aaactcccnt ttttggccaa ttgatcanaa tgccagaaga natgctaacc naanagccct 480
ttaactgggc tgggattcca taccctaaan ggggtttcaa aactggttaa ccttnnccca 540
attttaacct tngggaaaag ggnaaaggan ccccggggna aaaataaggt tttgaaaaat 600
aaa 603

<210> 294
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(617)
<223> n = A,T,C or G

<400> 294

ggtacgcggg gatcgcttcc tggtcctcgc cccctccgct gtctccctgg agttcttgca 60
agtcggccag gatgtctcag gctgagtttg agaaagctgc agaggaggtt aggcacctta 120
agaccaagcc atcggatgag gagatgctgt tcatctatgg ccactacaaa caagcaactg 180
tgggcgacat aaatacagaa cggcccggga tgttggactt cacgggcaag gccaagtggg 240
atgcctggaa tgagctgaaa gggacttcca aggaagatgc catgaaagct tacatcaaca 300
aaagtagaag agctaaagaa aaaatacggg atatganaga ctggatttgg ttactgtgcc 360
atgtgtttat cctaaactga gacaatgcct tgttttttc taataccgtg gatggtggga 420

attcgggaaa ataaccagt[redacted]aaccagcta ctcaaggctg ctcacca[redacted] ggctctaaca 480
gattaggggc taaaacgatt actgactttc cttgagtagt tttaatctga aatcaattaa 540
aagtggattt tgtaccaaaa aaaaaaaaaa aaaaagtnct gcccggccgg ccntcaaaag 600
gcnaattcan ccccttg 617

<210> 295
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 295
cgaggtactt ttaccatgaa catctctaga ctgtgattat taaatatagt gataatatac 60
atgggtttac tgggatattg aaaaataaaa gataatgaac ccaatttagt aaatcaacat 120
aaatacaaaa cagagcgaat tagccctcta caactgagct cgtcctgcgt cttgagcttg 180
ggttctttct ggaactgtct caaaccttag tgggggaagt gaccttatcc acagattgct 240
tttcccagag gttccgcttg ctggatacgt ctcctggtct caagtcagaa ggtttgggag 300
caggtgactt gtttccatct ggggttttag ttagccattc attgatgccg ctagaaaccc 360
ctaccttcaa gccagcagtt tccttatttg gtgtgcctgc tgcantgggg gatgaaaaca 420
cattcctttc tnccacatac tcttggatgt tgcgtacctg cccnggcngg ccgttcnaaa 480
ggccaattcc acaccactgg cggccgtact aatggatcca aaactcggac cancttggcg 540
natcatnggc atactggttc ctggggnaaa tggattccgt tacattcccc caacttccag 600
ccnggg 606

<210> 296
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 296
ggtacgcggg gtgccagagg aaatcttaaa gcgcctactt aaagaacagc acctctggga 60
tgtagacctg ttggattcaa aagtgatcga aattctggac agccaaactg aaatttacca 120
gtatgtccaa aacagtatgg cacctcatcc tgctcgagac tacgttgttt taagaacctg 180
gaggactaat ttacccaaag gagcctgtgc ccttttacta acctctgtgg atcacgatcg 240
cgcacctgtg gtgggtgtga gggttaatgt gctcttgtcc aggtatttga ttgaaccctg 300
tgggccagga aaatccaaac tcacctacat gtgcagagtt gacttaaggg gccacatgcc 360
anaatggtcc cgcaggaagg ccgtcaagaa nggctcgacc cggntggtgt ttcaaggaag 420
aaacattgtg gtcttggtgt ggaaaaaaaa tcantgggcc aactggngga tgaaagacna 480
tgccggaana nctgggcttt ggatgacaac ccctgcatgg gcttttgang ccttaccgcc 540
gatccagggt tntnttaaca nggcccggtg gaatgccnaa nccccggtta ctttggagga 600
cccggtnctt gg 612

<210> 297
<211> 590

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 297
acgcggggga acacatccaa gcttaagacg gtgaggtcag cttcacattc tcaggaactc 60
tccttctttg ggccacggaa ttaacccgag caggcatgga ggcctctgct ctcacctcat 120
cagcagtgac cagtgtggcc aaagtggtca gggtggcctc tggctctgcc gtagttttgc 180
ccctggccag gattgctaca gttgtgattg gaggagttgt ggctgtgccc atggtgctca 240
gtgccatggg cttcactgcg gcgggaatcg cctcgtcctc catagcagcc aagatgatgt 300
ccgcggcggc cattgccaat gggggtggaa ttgcctcggg caaccttgtg gctactctgc 360
agtcactggg aacaactgga ctcttcngat tgaccaagtt catcctgggc ttcattgggt 420
ctgccattgc ggctgcattg cnaggtctac taacttcctg cccttgcctt gcaaaaaaaa 480
aaaccttgcc agggaaaaag nccccaancc ttctgaacca accanggggc ccacttttcc 540
aaaatacctn gggnggaaaa tncccaattt tganttttcnn aggaaanana 590

<210> 298
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 298
ggtactttga gccactctcg catggaaagg agtgtcttta tgcctcgacc tcaagctgtg 60
ggctcttcca attatgcttc caccagtgcc ggactgaagt atcctggaag tggggctgac 120
cttcctcctc cccaaagagc agctggagac agtggtgagg attcagacga cagtgattat 180
gaaaatttga ttgaccctac agagccttct aatagtgaat actcacattc aaaggattct 240
cgacccatgg cacatcccga cgaggacccc aggaacactc agacctccca gatttaacta 300
aacaaaagaa actctccacc tagcactgtt tttcttcatt gcttactgag agggtttttg 360
agaacttaat ctggggggag aactgctttc tcagatcctt aactcccgag aagagaagtc 420
cttgtgcaca gaacttgtgg gaaccttcat ccgntgtctt tacctttgga tccagtgtgc 480
aagtttcatg acngaatcat taagatatca aatggcctaa tttggngcna atcatggtat 540
actgggaaaa ttaggcnaat ggaacttntc accgantttg gtctttaaan 590

<210> 299
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(549)
<223> n = A,T,C or G

<400> 299

cgaggtacaa agatctgac[redacted]gtcacccag ggacccattt cacccac[redacted] tctgtttggc 60
cgccagtctt ttgtctctct cttcagcaat ggtgaggcgg ataccctttc ctcggggaag 120
agaaatccat ggtttgttgc ccttgccaat aacaaaaatg ttggaaagtc gagtggcaaa 180
gctgttgcca ttggcatcct tcacgtgaac cacgtcaaaa gatccagggt gcctctctct 240
gttggtgatc acaccaattc ttcctaggtt agcacctcca gtcaccatac acaggttacc 300
agtgtcgaac ttgatgaaat cagtaatctt gccagtctct aaatcaatct gaatggtatc 360
attcaccttg atgaggggat cggggtaacg gatggtgcgg gcatcatgag tcaccagatg 420
anggattcct tttgtgccca caaagatctt tctactttgc ancacacact ggcggncgta 480
ctagtggatc cacttcgnac caacttggcg tatcatgggc tnactggtnc cgggggaaat 540
ggtatccnn 549

<210> 300
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 300
actccagcct gggcgacaga gcaagactcc acctcaaaaa agaaatattt agcaaatatt 60
aaaggacaag agggaatatc tgtttaaaaa attataatgc acgttagatg aaaagtaata 120
ggatgagatg gttgttgctg aaatagcact tgctatataa attcaaacat tccttttcaa 180
attcagcttc tcagaggttt gacttcagat gcttgagcac tttcaacatt atctttgcct 240
ttatccttcn ttatgcggat aaacacaact gctaaaatta taccattgat tttggaaact 300
tcccagtcgt tttgtaagct tcactgccga gggaaaatgt aaaatgggga ccccgaaata 360
aagtgctgat catcatcaag tagcctcgaa aatgagactt tcaggtgcac tgaaggggat 420
ggcagaagaa caagccccgt gtagtccttg ctagcctggg aaggttggca ttcacatcct 480
taaggatcan gtggactttg acnccgaact taaaggaaga acccccctatt ntggggccac 540
cacttgacct tgggccggaa cacccttaag gcgaattcca cacactgggg g 591

<210> 301
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(655)
<223> n = A,T,C or G

<400> 301
cgaggtactc tttaaaaagg gactgcaggg ctgggtgtag tggctcacac ctgtaatccc 60
agcactttgg gaggccaagg caggtgggtc acttgaggcc aggagtttga gaccagcctg 120
accaacatgg caaaacccca tctctactaa aatacaaaaa ttagctgggc atgatggtgc 180
actcctgtaa tcccagctac ttggtaggct gaagcatgag aattgcttaa acctgggagg 240
cagaggttgc agtaagccaa gatcatgcca ctgcactcca gcctgggcaa cagagtaaga 300
ctctgtctta ataaataaat aagaaaataa aacggaactg cagtgctaac agtaatttat 360
acatttttaa atgttctgag tatgttttga ctgggctagt gtaacaatat actaccctga 420
aaagtgcagt tttgattgtt ggtggtgtct ttgggtcang aaaagtgaac tgtgccaaga 480
agtatttttc aatgacatga atggattnct gttaatgcaa ttgactgaga aaatgngctt 540

acgctttctt aactgcaa[redacted]agagntttgt ccacatcana attgtt[redacted]a ctggngctgt 600
ttctgttgcc tgggatctga tgactgggat ttcctcttgg acaaaanacc tgatn 655

<210> 302
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 302
actcgtcttg gtgagagcgt gagctgctga gatttgggag tctgcgctag gcccgcttgg 60
agttctgagc cgatggaaga gttcactcat gtttgcaccc gcggtgatgc gtgcttttcg 120
caagaacaag actctcggct atggagtccc catgttgatg gatcctgagc ttgaaaaaaa 180
actgaaagag aataaaatat ctttagagtc ggaatatgag aaaatcaaag actccaagtt 240
tgatgactgg aagaatattc gaggacccag gccttgggaa gatcctgacc tcctccaagg 300
aagaaatcca gaaagcctta agactaagac aacttgactc tgctgatttt tttttccttt 360
ttttttttta aataaaaata ctattaactg gacttcctaa tatatacttc tatcaagtgg 420
aaaggaaatt ccaggcccat ggaaacttgg atatgggtaa attgatgacc aataatcttc 480
acttaaagnc atgtcctttg gccgcgaaca cgc 513

<210> 303
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(610)
<223> n = A,T,C or G

<400> 303
acgcggggct tgcagagccg gctccggagg agacgcacgc agctgacttt gtcttctccg 60
cacgactgtt acagaggtct ccagagcctt ctctctcctg tgcaaaatgg caactcttaa 120
ggaaaaactc attgcaccag ttgcggaaga agaggcanca gttccaaaca ataagatcac 180
tgtagtgggt gttggacaag tnggtatggn gtgtgctatc agcattctgg gaaagtctct 240
ggctgatgaa cttgctcttg tggatgtttt ggaagataag cttaaaggag aaatgatgga 300
tctgcagcnt ggggagctta tttcttcana caccttnaaa ttgtgggcag atnaagatta 360
ttctgtgacc cgtcaattct tanattngta gttggtnact gcatggaatt cngtcagcaa 420
gaaangggaa aantctngtt caatttggtn gnataagaan tggttaatgg tcttcaaatt 480
cnttattcct tcagancggc caagtacctn ggccgnganc atgcctaagg gctaattcna 540
ctcantggng gccgntctan ntggattcca ncttggtacc aancttggng ntattnatgt 600
caatanctgg 610

<210> 304
<211> 596
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

<400> 304
ggtacctgga attatctaat tggccagagg tggcgcccga cccatcagtt cgaaatgtag 60
aagtaataga gttggcaaaa gaatggaccc cagcaggaaa agcaaagcaa gagaattctg 120
ctaagaagtt ttattctgaa tctgaggaag aggaggactc ttctgatagt agcagtgaca 180
gtgagagtga atctggaaag tgaaaagtgg agaacaaggc cgaaagtggg ggaggaagga 240
gacagcaatg aggacagcag tgangactcc tncagtgagc angacagtga gagtggacgg 300
gagtcaggcc tagaaaacan angaacagcc nagangaact caaaagccaa agggaaaaag 360
tgattctgaa gatggggaga aggaaaatga aaaatctaaa acttcagatt cttcaaatga 420
cgaatctagt tcaattanaa gacagttctt ccgattcttg aatcagaatc agaacctgaa 480
agtgaatctt gaatncngaa cagtcgctta ggagaaagaa agaaaccaag caggattgac 540
tccttttncc aagntgttcc ttctaaactg gatgatttaa ccngntccct cagtgn 596

<210> 305
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 305
ggtactttnt ttttttttt ttttttttt ttttttttt tggggattta nttttattt 60
cataatcata aacttaactn tgcaatccan ctaggcatgg gagggaacaa ggaaaacatg 120
gaacccaaag ggaactgcag cgagagcnca aanattntng gatactgcga gcaaatgggg 180
nggaggggng ctntcctgag ctacaaaagg aatgatctgg tggntaaaat aaaacacaag 240
tcaaacttat tnnagttgtc cacagncagc aatggngatc ttcttgctgg ncttgccatt 300
cctggaccca aagcgctcca tggcctccac aanattcatg ccttctttna ctttgccaaa 360
caccacatgc ttgccatcca accactcant cttggnagng cagatgaaaa actgggaacc 420
atttttnttg ggtccnacat ttccatggca aaangccang acccnttgct ttaagaagaa 480
aatctcatct tcaaattctn ccctaaanga cttgccncan gccntntggg tgngaagcnc 540
cccctgncca taaccctgga tatttttgaa agaggancct ntacnaacnt ttttccnggt 600
aanaaaaaat tttttntttg acctnccca 629

<210> 306
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(643)
<223> n = A,T,C or G

<400> 306
acagggagga atttgaagta gatagaaacc gacctggatt actccggtct gaactcagat 60
cacgtaggac tttaatcgtt gaacaaacga acctttaata gcggctgcac catcgggatg 120
tcctgatccc ccgcgtacat ttccttgtag actctgttaa tttcctgcag ctcctggttg 180

gttctggagc agatgatct[redacted]aatgagagag tcctcgtcgg ttcccag[redacted] cttcatggaa 240
gcttttatct cagaagcgtc atactgagca ggtgtnttca ataggcccaa aatcaccgtc 300
tccaggtggc cagataaggc tgacttcaat gctgatgcaa gntccttttt ggtccttctc 360
tggtaggcga aggnaatatc ctgtctctgt ncattgcttg cggntgggca aaatgttgac 420
aatggtgacc tcatccacac ctttggtctt tgatggntgg ntcaatgttc aaagcatccg 480
ctcagcatca aaantaagta tangctttgc agacccatat gcacttgggg gngnngagng 540
acaccctcca actgaacttg ccaggatttn tgaaagtaan anttttaaga acttgccgnc 600
cccanactaa acnnccaatc tagcccnntn cctaacggcc aag 643

<210> 307
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(643)
<223> n = A,T,C or G

<400> 307
cgaggtactt ttttttttt ttttttttnt ttnttnttnn tttggggatt nanttttat 60
ttcataatca taaacttaac tctgcaatcc aactaggcat gggagggaac aaggaaaaca 120
tggaacccaa agggaactgc ancgagagca caaanattct nggatactgc gancaaatgg 180
ggnggagggg tgctctcctn agctacaaaa ggaatgatct ggtggttaan ataaaacaca 240
agtcaaactt attcnagttn tccacagnca gcaaagggga ncttcttgnt gggcttgcca 300
ttcctggacc caaaacgctc catggnctcc caaaatttat gccttttttt actttgccaa 360
anaccacatg ctttgccttc caccnctcan tttttgnggg ggnaaataaa aancgggaac 420
cnnttgtgtt tggnccnaca ttttccnttg gnaaaaaacc ncgacccctt tntttaagaa 480
naaaatttta nttttaaaat tttcccctaa aaaggactgg cccnaaggcn ttttgggggn 540
gaagcccncc ntccccnaaa cctggaaaaa ttttggaagc nggacccttt accaaatctt 600
tntcctggtt aaaaaaaaat ttttttttt gacctttccc aan 643

<210> 308
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(653)
<223> n = A,T,C or G

<400> 308
cgaggtacag agagtagctt ctgtgatgca agaatatact cagtcaggtg gtgttcgtcc 60
atttggagtt tctttactta tttgtggttg gaatgaggga cgaccatatt tatttcagtc 120
agatccatct ggagcttact ttgcctggaa agctacagca atgggaaaga actatgtgaa 180
tgggaagact ttccttgaga aaagatataa tgaagatctg gaacttgaag atgccattca 240
tacagccatc ttaaccctaa aggaaagctt tgaagggcaa atgacagagg ataacataga 300
agttggaatc tgcaatgaag ctggatttag gaggcttact ccaactgaag ttaaggatta 360
cttggctgcc atagcataac aatgaaagtg actgaaaaat ccagaatttc agataatcta 420
tctacttaaa catgtttaaa agatggtttg tttgcaagac tttttgcata cttanttcta 480
catgaattaa atcactggtt tnaaatgaca cttattaatc ctaataactg gtnaacccnc 540
aaaaaaaaaa aaaaaaaaaa ntacttnccc ggcggccgtc gaanggcaat tcacncctgg 600

cggccgtcta tggatcca[redacted]cggnccacct gggnaacagg cnactgg[redacted]c tgg 653

<210> 309
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(649)
<223> n = A,T,C or G

<400> 309
acttgcaaaa gcacttgaag tcattaaacc agctcatata ctgcaagaga aagaagaaca 60
gcatcagttg gctgtcactg cataccttaa aaattcacga aaagagcacc agcggatcct 120
ggctcgccgc cagacaattg aggagagaaa agagcgcctt gagagtctga atattcagcg 180
tgagaaagaa gaattggaac agagggaagc tgaactccan aaagtgcgga aggctgagga 240
agaggaggctg cgccaggaag caaaggagag agagaaggag cgtatcttac aggaacatga 300
acaaatcaaa aagaaaactg tccgagagcg tttggagcag atcaagaaaa cagaactggg 360
tgccaaagca ttcaaagata ttgatattga agaccttgag gaaatggatc cagattttat 420
catggctnaa cagggtgaac aactggagaa agaaaagaaa gaacttcaga acccttaaga 480
atcagaaaag aagattgctn ttttgaagac ccacctttgg aaaaattcct ttgttaagag 540
cctttcgagg acagaaaatt aagacatggt ctggggngcc cccgaggaga aagaattctc 600
ctgcccttga cgtgaaaggt nttgcataaa atcatgtccn atcttgaga 649

<210> 310
<211> 319
<212> DNA
<213> Homo sapiens

<400> 310
cgaggtacta gccggacttg gattttctgg aaagatttca gttgaggaac gggaacaaag 60
attatgatag ctttccgacc accaccaact tcaatttcct tagctgccgt aatattcagc 120
tccctgagct gagccttgag gtccgagttc atctccagct ccagaagagc ctgggagatg 180
ccggactcga actcgtccgg cttctcgcca ttgggcttca cgatcttggc gctcgaactg 240
aacatggctt tctcctggga gaacttgccg agcgccggct taggaagaga ccccgcgtac 300
ctgccgggcg ggcgctcga 319

<210> 311
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

<400> 311
cgaggtactg atgcaacagt tgggtagcca atctgcagac agacactggc aacattgcgg 60
acaccctcca ggaagcgaga atgcagagtt tcctctgtga tatcaagcac ttcggggttg 120
tagatgctgc cattgtcgaa cacctgctgg atgaccagcc caaaggagaa gggggagatg 180
ttgagcatgt tcagcagcgt ggcttcgctg gctcccactt tgtctccagt cttgatcaag 240

ctgcacatca ctcangat caatggtgcc cctggagatt ttagtgg tacctaaagc 300
ctggaaaaaa ggaggtcttn tntggcccca aaccaatgtt ctgggctggc caatgacttc 360
acatggggca atggcaccaa caccggcaga acttgnaccc tattgccaca acatgtcctt 420
atctnaatga nggncttctt tgtgaaaaca aaccccattc cccggaatta agnacaantt 480
cttcaaactt gggtggnttc aagggcctcg atngcctgcc catatngggt ttttgccata 540
aaacacaacn ttccnnaaag gaatccgant nttgttttgt tggancccat ttttgttccc 600
aagaaaattn ggtaatatcc aaattgggga attaggaaaa tgggnt 646

<210> 312
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 312
cgaggtactt ttgtgagagg gttcaatggg agagctttaa tgcagatgag acttgaagct 60
tctgaagaag atctaagtct tgatgaggtt attcaaactc aaatcttgaa tgcataatga 120
tgataggcca tggtcttcaa aaacgtggta cttttaatag caacagggtt tcaccatgtt 180
ggccaggctg gtctcaaatt cctgacctca agtgatctgc ccacttaagt gctgggatta 240
caggcatgag ccacaacatc tggccagaaa tatttttttct tttctttctc tttctctctc 300
tctttttttt ttttttttttt tttggagctc gctctgtccc ccagctgcaa tgcaatgggg 360
caatcttaac ttactgnaac ctccccttcc aggtcnaaag aatctttgng ctacctccta 420
natntnggaa tacaagggcg tcccccacct actaattttg ntttttaaga aaaggagggt 480
ttancatgtt ggtnngntga tcccaacctc cgaccttaan gancctccgc ctaatttcca 540
aaggctggat nttggctgan cccacccccnc ttaaccaaaa ttnaaattct tttntcctgc 600
cgggggcgtt aaagggaatc aa 622

<210> 313
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = A,T,C or G

<400> 313
nggacttgaa atcattgaag ttctgcaaaa aggagatgga natgcacaca gaaagaaaga 60
tacagaggtc cgcagacggg agctcctaga atccatttct ccagctttgt taanctacct 120
gcntgaacac gcccaagacg tggtgctaga taagtcagcg tgtgngtagg tntctgncat 180
tccngggaac agacnaattn gaccatnagg naacctgagc ttnccaaagt ncgcaaggct 240
gaagaagana ggctnctcca ggaagccnac gagaaagana aangagccgt attttacncg 300
aacatgaaca aatcaaaaaa naaaactgtc cgaaaaccgt ttggagcaaa ncaaanaaaa 360
cagnacctgg gngcccaaag cattcnaana tatttgttat tancncaccn tgatggattc 420
naaacnttat ttttncttgg cncggctggn ccgcccggct ngngnaaaga aaagaacttt 480
nctaccnctc ccgaatcaag aaaagaanat ggctttttn taaaannca cccttgggaa 540
aaaattcttt gtttaananc cctccaangc ccgggaaatt aattcatgct ttgtgtgngc 600
gaccnannaa aaaanaanan atccttcctt ccccttaann gaaaagggcc ttncaaaaaa 660

tgattgccca agnc 674

<210> 314
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

<400> 314
actttttttt ttttttttt ttttttttt tttgagatgg agtcttgctc tgtcgcccag 60
gctggagtgc agtgttgcga tctcagctca ttgcaacctc tgcctcccag gttcaagtga 120
ttctcctgcc tnagcctcct gagtagttgg gactacaggc acatgccacc atgcctggct 180
aatttttttg catttttaag tanagacagg gtttcatcat gttggccagg caggtntcaa 240
actcctgacc tcaagtgatc cacctgtctc agcctcccaa agtgctggga ttacaggcat 300
gagccactgn acccggccta aaaatgatta cttcttataa aaaggatttc ttccccttca 360
caacacttan cttccttttt ctttcctggn aactatgggt ntggngnccg cataaggatc 420
taccttncnc aagctggaca ntgggggttg ctncttgang gnaactcagg ccanatacng 480
accctggggg gaacnctaaa cttacttggg tanaacccgg gctaacattt ctgcttgnga 540
ngttgattcc ccncaaattt ttaaaaggnn tttcatggcc cttagggcaa ccattttaca 600
aagatgggnc acatggnctt ggccgnaacc cctangngaa ttcncn 646

<210> 315
<211> 666
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

<400> 315
acagtctttg gatatttagg aaggggatgg ggagaaagtc agttctcaga acaaattagt 60
cagcttcagt ctcgtcagca gggtctttgg attctttgtt cttccgcact tcttcaatgt 120
gcttatcctt ctctcgcaaa cgttccagtt tggcagccat ttgtgcctct cggttctctt 180
tattagcttc cattttgtgg gtcagtttct cttctgccat tttactgaag ttgntgttct 240
cttctattgc cttctgaagc acttctttct cgtgctctcg tttctcancc agctgcttca 300
agaccttagc ttcatgggac ttgcgtcttt cttctgcagc ttctaatttc ttctgaattt 360
cctccaggga aagaccttct tctttggaag ggaaaggggg aattctggaa ccagattctt 420
ttgacccaag gctgaaaatc agcttaaaag cctggccttg angcacccnt tttcagntct 480
ttcacctgga tatcntaaag aagccctngt gattnaaaac aagccnaccg gcantnnatt 540
ntgncaanan cnnggataan gnaatccctg tnaantccna cccctnaccc cattttcccg 600
ggaccttggc ngnaacccct tanggngaat tcnnccnctn ggcggccgta ctaangggac 660
ccaccg 666

<210> 316
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(656)
<223> n = A,T,C or G

<400> 316
actcttggtt tgtcaatggg actttccagc aatccaccca agagctcttt atccccaaca 60
tcactgtgaa taatagtgga tcctatacgt gccaagccca taactcagac actggcctca 120
ataggaccac agtcacgacg atcacagtct atgcagagcc acccaaaccc ttcatcacca 180
gcaacaactc caaccccgtg gaggatgagg atgctgtagc cttaacctgt gaacctgaga 240
ttcagaacac aacctactgt gggtgggtaa ataatcagag ccttcccgnc aagtcccagg 300
cttgcagctg gccnatgacc aacaggaccc tnactctact tagtgtcaca aggaatgatg 360
ganggaccct atgaagtgtg gaaaccagaa ccaattaagt ggtgnccaca cganccaggc 420
attcttgaat ggcccttatg gnccanaaga acccaccatt tcccctnata cacctaatnc 480
cgtccagggt gaaccttaag ctntctggca tgcaancctt aaccactggc aggattcttg 540
gnttaatgaa gggaacattc nnacccnccc agaagttttt attttcaact tacttggaan 600
aacgggggct ntttactgcc ngccataact taacnggggc cnnancggac ttcgnn 656

<210> 317
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 317
actttttttt ttttttttt ttttttttt tttgnagtca gctatttaat taggttctta 60
agacatttag aacaccaatt tgngaggata aattccattc gtcagagcaa acacagatcg 120
caggtagccc tggagctgag gaatagcttt gatttttggt aaaatttgtg agtccacagc 180
tttctgatca atcttgcgct gctccgtaat ctcatatttc ccttttttctg ggncgaaaan 240
cttacctttc tggggnntgg gcttncgcag cttcttcttn ttgaagtaag catnagtaan 300
aagntttggg antttacan tgntgatann cattttggnt gaagnggnan tgacnaattt 360
ctgggggggt cttcgtaaag gaactcnant gaggcccaag ggnccgtccn agtaataagg 420
ccctnncanc tggttangga aacccccctnt tggcctgggg ggnccangag gntgatccaa 480
atggccccgg ggaaaagcng gntcaanttt tnacggctnc tnaaagggtt ttgccnggnt 540
taanctttnn ggncnttttc agnggaaana ccngctttgn nantntaccc ccggntcctc 600
ggcggaaacc nttagggnna attncncnct gggggg 636

<210> 318
<211> 654
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(654)
<223> n = A,T,C or G

<400> 318

cgaggtacgc ggggcctttt cgcccgtgga cgccgccgaa gaagcatttc taaagtctct 60
cttcaccctg ccgtcatgtc taagtcagag tctcctaaag agcccgaaca gctgaggaag 120
ctcttcattg gagggttgag ctttgaaaca actgatgaga gcctgaggag ccattttgag 180
caatggggaa cgctcacgga ctgtgtggta atgagagatc caaacaccaa gcgctncagg 240
ggctttgggt ttgtcacata tgccactgtg gaagaggtgg atgcagctat gaatgcaagg 300
ncacacaagg tggatggaag aattgtggaa ccaaagaaaa ctgtcttcag agaagattct 360
taaagaccan gtgcccactt aactgtgaaa aagatatttg gtggtggcat taaagaagac 420
actgaagaac atcactaaga gantattttg aacagtatgg anaaaattgn agngattgaa 480
atnatgactg ccnangcagt ggcancaaan ggggctttgg ctttnnacct ttgacnacca 540
tgactcnngg ataaaatggn attcnnaaat ccctcntgng aatggccnca ctgggaagtt 600
ngaaancctn ncaacnagaa agggtncgnt tnntccncca aangcnaang tttc 654

<210> 319
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(659)
<223> n = A,T,C or G

<400> 319
acgcggggaa gccaactcag actcagccaa cagagattgt tgatttgcct cttaagcaag 60
agattcattg cagctcagca tggctcagac cagctcatac ttcatgctga tctcctgcct 120
gatgtttctg tctcagagcc aaggccaaga ggcccagaca gagttgcccc aggcccggat 180
cagctgccca gaaggcacca atgcctatcg ctcctactgc tactacttta atgaaagacc 240
gtgagacctg ggttgatgca anatctctat tgncagaaca tgaattnngg caacctggtg 300
tctgtgctna cccangccca aggtgccctt ggggcctcac tgattaanga aantggcact 360
gatgacttca atggctggaa tggccttcat gaccccnaaa aagaacccgc gnttgcactg 420
gacagtgggt ccctngntct cttacaagtc tggggcaatt ggancccaa nccatgntaa 480
ttcnggctac tggggtgagc nnacctcagc ccaggatttn gaantggaan gcctgncttg 540
ggaanacaag ttcttctttn gctngcaagt tcaaaaccta atgcagctgg aaaatcatnt 600
ctanaactga tcagcattcn accgnttcaa attaaccggc ctttttcant tanttaccg 659

<210> 320
<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(664)
<223> n = A,T,C or G

<400> 320
ggtactctgc cttttaggag atgaggtaag acatatacat agatggcttt tactagccaa 60
ggcaatgtaa atggactaag attctcatgt gacttgaggt tatctgatga atttattctc 120
ttcaaaacca cctacttta gagggcatgt ttaacccctc tctttattta aggagggaga 180
gaaaaacaca tgtaaccaga attcagagtg ggttactcaa cctaagagaa catacggagt 240
tctctttggg aaaacgacaa gactacagtg ttcacttcgc accatgaagt ggcactcctg 300
ntatggctgc agantcctct tacttcttat gaaaggatgc atctgattct gaaattactg 360
atatattcga tcagttaggg atgntttaaa aagngaaaac caatgccaca catacacttt 420

ctagctttct gaaaatnac cgacacattn ccnaaaatng agaattt ctattacttt 480
tagagaaatt tccataatat tcttgggtaa agaancccng ttgggcatat tnccaatttt 540
cagnggncnt ggttttatgc ccnaganccc aataggntcc cccatttttt aaggcttttt 600
ccacngacga ttttttaaan cnttctnnan tgggggaaga ataatcttaa aagtngnctt 660
atnt 664

<210> 321
<211> 666
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

<400> 321
cgaggtacag tattacagtc agccacagaa gctgtgttgg gggacaagac ccaatccttc 60
cccacaccag gcaaagcagt attggacatg agttggcatg tggctgggcc cacgtcctta 120
tcccccaggc ctgaggggag accaccttct gatgataacc aacccctagc taccactctg 180
tattcatcag gggaggggta taaaccccgc atgcaagaag aacccttgcc cccagtgtca 240
aatgggatgg ggatgctaga gttatagtaa aggggaaacc ctatgtaagc tgntaacaga 300
gttcacaggg gtagggataa cccctgntct tcagctncca aatgngctca ctttccagct 360
tcttcatccg tcatcaatgc tggcaaagtt tccctnaact gnggccaggt tttcacgcat 420
gggtggctgc acctgggtca aaaaggtggn attggccntt aaggaattag caatcatntg 480
ctgggtggga ttccagtgtg taaggaactt anccaactgc atggnttgnt tgtgcanctg 540
cttgatggng acaagtttnt gcaccanctn aaggaaggtg gaagcatggg gctcaacctn 600
gataagttca tatacttggg gcnccttgct ttgggatctg catntttaca aggnttatcn 660
tggcan 666

<210> 322
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(631)
<223> n = A,T,C or G

<400> 322
accggaaagg aagctcccat tcaaaggaaa tttatcttaa gatactgtaa atgatactaa 60
ttttttgtcc atttgaaata tataagttgt gctataacaa atcatcctgt caagtgtaac 120
cactgtccac gtagttgaac ttctgggatc aagaaagtct atttaaattg attcccatca 180
taactggtgg ggtacatcta actcaactgt gaaaagacac atcacacaat caccttgctg 240
ctgattacac ggcctggggt ctctgccttc tccccttacc cttccggctc caccccttcct 300
gcaacaacag ccctntacct gggggggcttg ntagaagaga tgtgaagggt tcaaggtcgc 360
aacctgtggg actactgcta ggtgtgtggg gnggttcgcc tgcacccctg ggttctttaa 420
gncttaaagt gatgcccctt tccaaccatt attctggncc cacacttctc actccggcct 480
tggncnanca taaatgnacc ccttcacttc ctntgagaat ggccttcgng aagaatcnag 540
gctttcccaa ncttctttcc ccccnttatc angggngctg gttttctnct ctcnaaggtc 600
ntttgaccgn accaccaaac ttctgaattn t 631

<210> 323
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 323
actgtgggtc gaagtaatgg atacggacgt aaccatcttc gccgccgctg ctgtagctct 60
tgccatcagg atggaaggca acactgttga taggtccaaa gtgacccttg actcttccaa 120
actcttcttc aaaggccaaa tggaagaacc tggcctcaaa cttgccaatc ctggtggagg 180
ttgtggttac atccatggct tcctgaccac cgcccaggac cacatggtca tagttggggg 240
agagggcagc tgagttgaca ggacgttctg tccggaaagt cttctgatgt tcaagagttg 300
tggagtcgaa aagcttggct gtgttgtcct tggacgcggt cacaaacatg ggcatgtccc 360
tggataactg gatgtccgtg atctgcccgg agtgcttctt aacattncca acacctnttc 420
aaanttggca ctatactggg tgagctcttc acttttatng gcaacgnatg atcacttccc 480
caagggtccc caaacagcac tggggaattt agagncattc cagggaactt tatgtagggt 540
tcatggtgca attggttnga tccccaggtc aaaaagttnc aaacactgga nccctttctt 600
gtccnnggag aacatgttat ttgccccaag taaaacccng nccggng 647

<210> 324
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(653)
<223> n = A,T,C or G

<400> 324
ggtacttttt ttttttttt ttttttttt ttgagatgga gtcttgctct gttgccagac 60
cggagtgcag tggtgcgatc tgggctcact gcaatctcca cctcccgggt tcaagcgatt 120
ctcctgcctc agcctcccga gtaactggga ctacaggtgt gcgccaccaa gcccagctca 180
tttttgtatt tttagtanag atggggtttc acgatgttgg ctaggatggt ctcgatctct 240
ggtcagagtc ttttctgtaa aaatccttgg taaagaagca attttagact gtancctgtt 300
gcaaatgcnt taaggaagaa gcaaaacaac tgntagtctt tctgaaatga aaaaactacn 360
ccagggctgg tatatnnaga gcaaccccaa ccannactnc catcntgatg cccacagggg 420
cccactgana nacccngaaa angtccnnaa gcntaaannt ngangcnttg cttttgaaat 480
attgcgccng taccnagntn nagacaaacn ngnttaaggc ccnnantntt tggccngant 540
ttgcgataaa aaaaacttgg gggtcgctnc nngatcccnn ttgtncccca naanctgggg 600
ggatgggttn aagcccntgn cnnaaggttt nngttctccc aaggtaaaan nng 653

<210> 325
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(655)
<223> n = A,T,C or G

<400> 325
ggtacgcggg gccttttggc tctctgacca gcaccatggc ggttggcaag aacaagcgcc 60
ttacgaaagg cggcaaaaag ggagccaaga agaaagtggt tgatccattt tctaagaaag 120
attggtatga tgtgaaagca cctgctatgt tcaatataag aaatattgga aagacgctcg 180
tcaccaggac ccaaggaacc aaaattgcat ctgatggtct caaggggtcg tgtgtttgaa 240
agtgagtctt gctgatttgc agaatgatga agttgcattt agaaaattca agctgattac 300
tgaagatgtt caagggtaaa aactgnctga ctaacttcca tggcatggat cttacccgtg 360
acaaaatgtg gtccatgggc aaaaaatggc agaccatgat tgaagcttac ggtgatgtca 420
agactaccga atgggtactt gcttcgtctg gtctggggtg ggtttactaa aaaacgcaca 480
atnanatacc gaagaactct tatgcttang accacangtc cngccaatcc ggagaanata 540
tggaaatctg accccaaagn gccnaccaat gacttgaaaa annggccatt aaatggttcn 600
nacacnttgg aaaagcctta aaaggttgcc aantattaac ctntcatgaa gnttc 655

<210> 326
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(657)
<223> n = A,T,C or G

<400> 326
ggtacgcggg ggaaacggga gtgaacggag agcgtagtga ccatcatgag cctcctcaac 60
aagcccaaga gtgagatgac cccagaggag ctgcagaagc gagaggagga ggaatttaac 120
accggtccac tctctgtgct cacacagtca gtcaagaaca atacccaagt gctcatcaac 180
tgccgcaaca ataagaaact cctgggccgc gtgaaggcct tcgataggca ctgcaacatg 240
gtgctggaga acgtgaagga gatgtggact gaggtacttt ttttttttt ttnttctttt 300
ttttgagata gggnctcact gnatnaccca ntntggaatg caattggcat gaacncagct 360
tactgnagnc ttccaaacct gggctcaagc aattatnttg nattaacctn ttgagtacct 420
gggactntcn cangcaccan ccctgctttg cttacttaaa tttttgtnaa nacnnggctt 480
gctttttttc ccaggntggn tcnaactccn gaattaaggg atccttcccc ctcaattttt 540
aaannngctg ngattntnga atangccttt ttgttngccc ttttnacctt ttnnnnggtt 600
nnttcnnggc tttaancctn ccgggggccn tttaaaggng aaatcncncc ttggggg 657

<210> 327
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

<400> 327
ggtacttttt ttttttttt ttttttttt ttttttttgg tttgaaacag aaatttattc 60
tcanaataat gcacagaagc acaggttgag gctactcttg ggaagcttcc ctccccttcc 120
tcttcctcct ctccctcctc tctgaatgcc agggagaaca cagttgaagg aaggaaacat 180

gcaatcacaa acaatgaac[redacted]ctntaaaga caaaaaggtt tggtcc[redacted] gaactcaaca 240
taattaatcc aatgactgtg aanagcttca ctgagtagga ttaanatatt gcagatgtan 300
ngtttncaca gggtggctnt tcagtgcacc ancggggcct ncttgangga natgaggact 360
gacncatncg ggaaanatct ttggcctgct tgctaaactt ggggntaaag gcacacnnnc 420
cgggccaccc gttccactna nngcctgggg accanttgtc aatgncnttt ccnaangntt 480
tttttgntgc cttgtggttg nttttggttt ctggaactgn tcgncctgnc ttgnaaacca 540
ttnttntaac nccttaatgg cctttctttt cnnnctggtt ntgnttccaa aatnggatta 600
ngggttcang ngcccctact tnccgggggc ngttaaangg naattccncc nctggngg 658

<210> 328
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(644)
<223> n = A,T,C or G

<400> 328
acgcggacgg tggtttttgg gcccgtttct gagcagcgct tccttttttgt ccgacatctt 60
gacgaggctg cggtgtctgc tgctattctc cgagcttcgc aatgccgcct aaggacgaca 120
agaagaagaa ggacgctgga aagtcggcca agaaagacaa agacccagtg aacaaatccg 180
ggggcaaggc caaaaagaag aagtggtcca aaggcaaagt tcgggacaag ctcaataact 240
tagtcttgnt tgacaaagct acctatgata aactctgtaa ggaagttccc aactataaac 300
ttataacccc agctgtggnc tcttgagaga ctgaagattc naggctncct ggccagggca 360
gcccttagg agcttcttag taaaggactt atnaactggt tttnaancac agacctcaag 420
taattnacac cagaaatncc nnggtggaga atnctccnct gctggtnnag angcatgaat 480
aggnncaacc agctntctct gnccnnaccn cncttaggnc naattccgca ccctgcggcc 540
gttctnatgg atccnaactn ggtnccaant nggcnnacta tggcatancn tgccctgggg 600
aantggttcc nttccaatcc anaanttcta tcgnaactta acgg 644

<210> 329
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(651)
<223> n = A,T,C or G

<400> 329
actattagcc atggtcaacc ccaccgtgtt cttcgacatt gccgtcgacg gcgagccctt 60
gggccgcgtc tcctttgagc tgtttgcaga caaggtccca aagacagcag aaaattttcg 120
tgctctgagc actggagaga aaggatttgg ttataagggt tcctgctttc acagaattat 180
tccagggttt atgtgtcagg gtggtgactt cacacgccat aatggcactg gtggcaagtc 240
catctatggg gagaaatttg aagatgagaa cttcatccta aagcatacgg gtcctggcat 300
cttgtccatg gcaaatgctg gacccaacac aaatggttcc cagttttca tctgcactgc 360
caagactgag tggttggatg gcaagcatgt ggtgtttggc aaagtgaaaa gaaagggcat 420
gaatattgtg gaggccatgg aaccgctttg ggtccaggaa tgncnagaac agcaagaaga 480
acaccattgc tgactgngga caactcgaat aagttggact tggggttant ttaaccacca 540
gaacaattcc tttgtncnta aggagancan ccctcaccca tttgntngca tatcctanaa 600

actttgggct ttcnttng ccctttggttc aggtttcctg gtcctc c 651

<210> 330
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(643)
<223> n = A,T,C or G

<400> 330
actttntttt ttttntnttt ttttttttt ctggaaggnt ctcaggtctt tatttgctnt 60
ctcaaattcc aggaatngac ttatttaatt aatccatcaa cctctcatag caaatatttg 120
agaaaacaaa tttatattca gattcttatt ttcagtaggg aagtaagaag ttgcagctca 180
ttgcacgtaa agttgagaca ganatggaga catccagccc cacctntctg gaacaagaaa 240
gatgactggg gaggaaacac aggtcancat gggaacaggg gttacagtgg acacaagggn 300
gggctgnctn ttcacctnct tacattatgc taacagggac ncaaacccat tcaggggcct 360
ttgcnaaaag aaatgccaaa agctnttgaa gtcncnaagg ggangcgtga anaaaactgc 420
atttnagtcc ccgggtcctt ngncgggaac ccctnanggn gaaatcncca cactggcggg 480
ccgtactagn ggatccagct nggncccaat tggnggaata tggnnaanac tgttcctgtg 540
ggaaaatggn atccgtccaa ttcnccactt acanncggag cctaaangna aaacntgggg 600
ngcctatggg gggctacnnn aataatgggt gcctacggcc cnt 643

<210> 331
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(652)
<223> n = A,T,C or G

<400> 331
ggtacagatg gcactgacaa tccccttttct ggtggggatc agtatcagaa catcacagtg 60
cacagacatc tgatgctacc agattttgat ttgctggagg acactgaaag caaaatccaa 120
ccaggttctc aacaggctga cttcctggat gcactaatcg tgagcatgga tgtgattcaa 180
catgaaacaa taggaaagaa gtttgagaag aggcatattg aaatattcac tgacctcagc 240
agcccgattc agcaaaagtc agctggatat tataattcat agcttgaaga aatgtgacat 300
ctccctgcaa ttcttcttgc ctttctcact tggcaaggaa gaaggaagtg gggacagang 360
agatggccct ttcgcttang tggccatggg ccttnctttt cactaaaagg aattaccgaa 420
cagcanaaag aaagncttga gatagtgaaa atggggatga tatctttaga agggngaaga 480
tggggtggat gaaattattc attcctgnga agnttgnaaa ctgngcgnct tcnnnaaant 540
nnnaggcatt ccntnnctgg ccntgccatt gccattggnt ccanttgcta tagggatgcc 600
ccttaaancn ntttccnnna anagtnnaaa acttgcnntn ggatccaacc nn 652

<210> 332
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(648)
<223> n = A,T,C or G

<400> 332
cgaggtactt ttttttttt ttttttttt ttttttgag acagagtttc actcttgtcg 60
cccaggctgg agtgcagtgg cgcgatctcg gtccactgca acctcaccct cccaggatca 120
agcgattctc ctgcctcagc cacctgagta gctgggatta caggcgcctg ccactacacc 180
tagccaattt ttgtattttt agaagggaca gcatttcacc atgttggcca ggctggtctc 240
gaactcctga tctcaggnga tccacccacc tcagcctccc aaagtggngg gattacaggc 300
gtgagccact gaaagttctc attagttttt tggttaaatt ttaaacataa attatgttat 360
agcaaaaatt cctaagaatt gnaaaccact ttatcagaaa tatcnnaaat tcacaaataa 420
tnccaaaatt tataatagct ttttccaga ctaaaatttt aaagctactg anaagnggna 480
aacctnccta nataggattt acctaacatt nnggantaaa aggnanccan ngcctgctaa 540
anatccagan tatctaanaa tccntncctg nntctcnntc tatnttttca natccgaatt 600
tttgaaccca cnttangata nctnnttttcc cccttaacnn taattccc 648

<210> 333
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(656)
<223> n = A,T,C or G

<400> 333
cgaggtacaa gatgtccaaa tattgcgaag atctatttgg ggatctcctg ttgaaacaag 60
cacttgaatc acatccactt gaaccaggca gggctttgcc atcccccaat gacctcaaaa 120
gaaaaatact cataaaaaac aagcggctga aacctgaagt tgaaaaaaac agctggaagc 180
tttgagaagc atgatggaag ctggagaatc tgcctcccca gcaaacatct tagaggacga 240
taatgaagag gagatcgaaa gtgctgacca agaggaggaa gctcaccccg aattcaaatt 300
tggaaatgaa ctttctgctg atgacttggg tcacaaggaa gctgttgcaa atagcgtcaa 360
gaaggcttca gatgaccttg aacatgaaaa caacaaaaag ggcctggtca ctgtagaaga 420
tgagcangcg tggatggcat cttataaata tgtaggtgct ccactaatat ccatncatat 480
ttgtcaccat gatcaactac cccagnctgt naaggttcaa ggtttcatgt ggcanaagaa 540
ccccatattc ttttacatgg cttctttaat gaatcatcgg cttggtactg aaaccctgcc 600
attgaattgc attntacaac ggcaatgagc natttcccca gggaggccng cnttct 656

<210> 334
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 334
acgcgggcgg gaagtgcaga ggcaaatgca tttagtgttc ttcagcatgt cctcggtgct 60

gggccacatg tcaagaggg cagcaacacc gccagccatc tgcacta c tgttgccaag 120
gcaactcagc agccatttga tgtttctgca tttaatgcca gttactcaga ttctggactc 180
tttgggattt atactatctc ccaggccaca gctgctggag atgttatcaa ggctgcctat 240
aatcaagtaa aaacaatagc tcaaggaaac ctttccaaca cagatgtcaa gctgccaaga 300
acaagctgaa agctggatac ctaatgtcaa tggagtcttc tgagtgnttc ctggaagaaa 360
gtcgggtccc aagctctaag tgctggntct tacatgccac cattcacaag tctttaacag 420
aatgattcan tggctaatgc tgatatcata aatgcgnaaa naaagtttgg ttctggcnag 480
aagtcaatgg cancaagtgg naaatttggg acatacncnt ttgtgataag tggaatactg 540
gngcncnctt acngganana cttaacgttn tttaanccaa acacaaccct tgaaagnnna 600
agctctaaan accattggct tttttcnggg ngnaaaaaag gcttaag 647

<210> 335
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(657)
<223> n = A,T,C or G

<400> 335
acaggtcaga gtcttctttt cttttctttt tgagatggag tcttgctctg ttgccagact 60
ggagtgcagt ggtgcgatct gggctcactg caatctccac ctcccgggtt caagcgattc 120
tcctgcctca gcctcccgag taactgggac tacaggtgcg cgccaccaag cccagctcat 180
ttttgtattt ttagtagaga tggggtttca cgatgttggc taggatggtc tcgatctctg 240
gtcagagtct tttctgtaaa tatccttggt aaagaagcaa ttttagactg tagctgttgc 300
aaatgcttta aggaagaagc aaaacaactg tcaagtcttc ctgaaatgaa gaaactacac 360
cagggctgct atatcagagc aaccccaacc agcacttcaa tcatgatgcc nacagtggcc 420
cagctgagag accnggagaa agttccagat gcanagactg ngatgctctt gactatggaa 480
atattgcggc cagtaccaag ttagagacca aacaggcata ngnncccgta ttaattggcg 540
tgaattttgc gataaganaa cttgggggg tgctgcggat nccatgatcn ccagaaaact 600
tnngggatgg ggtanaggcc catggcagaa aggttanggt ccttccaaag naaaana 657

<210> 336
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(649)
<223> n = A,T,C or G

<400> 336
ggtacgcggg caactatgga attccacagc gtgctctgcg gggtcactcc cactttgtta 60
gtgatgtggt tatctcctca gatggccagt ttgccctctc aggctcctgg gatggaaccc 120
tgcgcctctg ggatctcaca acgggcacca ccacgaggcg atttgtgggc cataccaagg 180
atgtgctgag tgtggccttc tcctctgaca accggcagat tgtctctgga tctcgagata 240
aaaccatcaa gctatggaat accctgggtg tgtgcaaata cactgtcagg atgaaaacca 300
cttaaantgg gtgncttgng nccctttntng cccaacagca acaaccctat tatcgtcttc 360
tgnggctggg acaaactggn taaaggatgg aacctggcta actgnaagct gaaaaacaac 420
cacattgggc acacangcta tntgaacacc gngactggct ttttcagang gatcctntgn 480

gcttntggag gcaaggatg[redacted]gcaagccatg ttatnggaac tcnacca[redacted]g caacaccttt 540
caccttttaan ggggggacat tatnaacgcc ttgggttaac cttaacgttn ttggtttgng 600
ctgcncaggc ccacattaaa aatgggattt aanggaaana catttnann 649

<210> 337
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(652)
<223> n = A,T,C or G

<400> 337
actcttggtt tgtcaatggg actttccagc aatccaccca agagctcttt atccccaaca 60
tcactgtgaa taatagtgga tcctatacgt gccaagccca taactcagac actggcctca 120
ataggaccac agtcacgacg atcacagtct atgcagagcc acccaaaccc ttcatcacca 180
gcaacaactc caaccccgtg gaggatgagg atgctgtagc cttaacctgt gaacctgaga 240
ttcagaacac aacctacctg tggtgggtaa ataatcaaga gccttccggt cagtcccagg 300
ctgcagctgt caatgacaca ggacgcctnac tctactcagt gtcacaagga atgatgnaag 360
gaccctatga atgtggaatc cagaacgaat taaagcgttg accacagcga ccangcatcc 420
tgaatgcctt tttgggccan acgaccccac cattttcccc tcataccact attaccgtcc 480
aggggtgnac cttagnctttt tcttgccatg cagcctttac ccaccttgac agnattcctg 540
gctggatgtt gggaacatna gnacncacnc aagagctntt ttttccaaca tnatgggaaa 600
acanngnnct tatactgcag gccattactt ngccntngcc cagnnggctn cg 652

<210> 338
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(651)
<223> n = A,T,C or G

<400> 338
ggtacatttg aacacacggc tgtgttaaag atgctgctaa tgtcagtcac tgggtgcact 60
aaaggatctc ttatttttatg taaaacgttg ggattgacaa gatagatctg acactctgtt 120
aagttaccct ctgaagctac ttcttgtgaa atactaatga cagcatcatc ctgccaagcg 180
aaagaggcag gcataagcaa ggacaaatta aaaggggtta agagccttat catgatgagg 240
agtcttgntt tgacatcttg ggaaaagctg ccatagtgtg aaagtcgtca atttctcacc 300
atggtttgca gtttgactgn ctctagttag ggtgaagtct ctgagtggca cacaccttaa 360
gcctgaaggn tttcccttta aattttcatt gagttggccc tcttcagcat atanggcttt 420
aagaacagaa canaccttgg ttttaagtgg gtccatggga taaaatggga atggangact 480
ngaagaattc aagggctggg ccatctngca gtattctgaa tatcgaaaat ncnccaaggc 540
tgctatataa ancccccctgg gcaanacttc aatcggaanc ccacggnggc ccnactnana 600
gncaggaccn ttccaantgg aacatnggan tggggccttt gaggcnnggn n 651

<210> 339
<211> 634
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

<400> 339
actttttttt ttttttttt ttttttctag tttcagttat ttattgattt aatcattgta 60
atctccaata gagattacaa tagagatctc caacatgatt tcatgcattt agaggagaaa 120
tatttcctgg ttaagtggaa aattgtgcgg atgtggcttc tggaanacct tcattctaaa 180
gcagcgttat agtgaaacat ttcatttana aatctggacg ttccttcttc agcttgctgt 240
aatccacatt cactgagtag aacttgtatt gatcattggg acccagtttg ttccagggct 300
ctgggttatt tctgcccaac aaacatctgg attgaacaat gccagacgca agagatcagt 360
gttgctccag tagctccagt tccaataaat acnaagaggg ggatcaaagc tcggatgctt 420
cttggcctga ccgatgatct ggcggancat gtttgcngca aagtctccga ctggaaagga 480
ganaaccgcc taccccaagc cctaagctaa aaattatntg ccccgcgacc ttggncgnga 540
cccnctaagg caattccacc actggcggcc gtctaangga tccacttggg ccaacttgng 600
naacatggca nactggtcct ggggaangta tccc 634

<210> 340
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(655)
<223> n = A,T,C or G

<400> 340
ggtactcttc cactcaggta tccgtgcggc cactccagca cacgcagtat gagcgcttca 60
tcccctcggc ctacccctac tacgccagcg ccttctccat gatgctgggg ctcttcatct 120
tcagcatcgt cttcttgcac atgaaggaga aggagaagtc cgactgaggg gctagagccc 180
tctccgcaca gcgtggagac ggggcaggga ggggggttat taggattggt ggttttgttt 240
tgctttgttt aaagccgtgg gaaaatggca caactttacc tctgtgggag atgcaacact 300
gagagccaag gggtgggagt tgagataatt tttatataaa agaagttttt ccactttgaa 360
ttgctaaaag tggnattttt cctatgtgca gtcactcctc tcatttctaa aatagggacg 420
tggccaggca ccgtggctca tgcctgtaat ccacactttt ggaggncnng caagcggtta 480
cgaagtcagg agatcgagac tattctggtt acacgnaaaa cctgncttac taaaagtacc 540
tgcccggccg gccgntcaaa ggcgaatcca cacactggcg ggcgtactan tggatnccaa 600
cttggaccaa cttggngnaa tatggcatac tggttcctgg nggaaatggt accnn 655

<210> 341
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(648)
<223> n = A,T,C or G

<400> 341
acgaacctac agttttaact gtggatattg ttacgtagcc taaggctcct gttttgcaca 60
gccaaattta aaactgttgg aatggatttt tctttaactg ccgtaattta actttctggg 120
ttgcctttgt ttttggcgtg gctgacttac atcatgtgtt ggggaagggc ctgcccagtt 180
gcactcaggt gacatcctcc agatagtgta gctgaggagg cacctacact cacctgcact 240
aacagagtgg ccgtcctaac ctcgggcctg ctgcgcagac gtccatcacg ttagctgtcc 300
cacatcacaa gactatgcca ttggggtaag ttgtgtttca acggaaagtg ctgtcttaaa 360
ctaaatgtgc aatagaaggn gatggtgcca tcctaccgnc ttttcctggt tcctanctgn 420
gtgaatacct gctacgtcaa atgcntacca ggttcattct nccttttnact aaaacacaca 480
ggtgcaacag acttgaatgc taagtatacc taattggata tgggatttaa ttttctttct 540
tacaancatt tgtattgcta acaggccaaa atttcagtta cccttagggt ggttaacaat 600
cnaattaaac ctgggaggca tacnttgnct aaatattact gnaaaaaa 648

<210> 342
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 342
ggtacttttt ttttttttt ttttttttt gttttttttt ttttttttt ttttttttt 60
tggctntana gggggtanag ggggtgctat agggtaaata cgggccctat ttcaaanatt 120
tttaggggaa ttaattctag gacnatgggc atgaaactgn ggtttgctcc acanatttca 180
nagcattgac cgtagtatac ccccggtcgt gtancggtga aagtggtttg gtttaaacgt 240
ccgggaattg catctgtttt taagcctaat gtggggacag ctnatgagtg caaaacgtct 300
tgngatgtaa ttattatacc aatgggggct ttaatcggga at 342

<210> 343
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

<400> 343
ggtacgatgc ctagtgatga gtttgctaat acaatgccag tcaggccacc tacggtgaaa 60
agaaagatga atcctagggc tcagagcact gcagcagatc atttcatatt gcttccgtgg 120
agtgtggcga gtcagctaaa tactttgacg ccggtgggga tagcgatgat tatggtagcg 180
gaggtgaaat atgctcgtgt gtctacgtct attcctactg taaatatatg gtgtgctcac 240
acgataaacc ctaggaagcc aattgatatc atagctcaga ccatacctat gtatccaaat 300
ggttcttttt ttccggagta gtaagttaca atatgggaga ttattccgaa cctggtagga 360
taagaatata aacttcaggg tgaccgaaaa atcagaatan gtgttggtat agaatggggt 420
cttcttcttc ngcggggtcn aanaaggtgg tggtnccgcg tcctggccng gcnggcgctc 480
gaan 484

<210> 344

<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(657)
<223> n = A,T,C or G

<400> 344
cgaggtacgc gggattgttc tggggcttgt cctcctttct gttacggtcc agggcaaggt 60
ctttgaaagg tgtgagttgg ccagaactct gaaaagattg ggaatggatg gctacagggg 120
aatcagccta gcaaactgga tgtgtttggc caaatgggag agtggttaca acacacgagc 180
tacaaactac aatgctggag acagaagcac tgattatggg atatttcaga tcaatagccg 240
ctactggtgt aatgatggca aaaccccagg agcagttaat gcctgtcatt tatcctgcag 300
tgctttgctg caagataaca tcgctgatgc tgtagcttgt gcaaaaangg ttgtcccgtg 360
atccacaagg cattaagagc atgggtggca tggagaaatc gttgtcaaaa cagagatgtc 420
cgcagtatgt tcaanggtgt ggagtgtaac tncagaattt tccntcttca ctcatttggc 480
tctctacatt aaggagtagg aaataantga aaggtcccct ccattaattt cccttcaaca 540
aataattttt tccgaaacng gaccaaatat ggccttcttn tagannataa tgtcntaagg 600
ggnatttatt ttaagcnnca cantttaat ttgcaaatna ctatctgggg aaaatac 657

<210> 345
<211> 662
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(662)
<223> n = A,T,C or G

<400> 345
ggtacgcggg cgactcttag cggtggatca ctcggctcgt gcgtcgatga agaacgcagc 60
tagctgcgag aattaatgtg aattgcagga cacattgatc atcgacactt cgaacgcact 120
tgcngccccg ggttcctccc ggggctacgc ctgtctgagc gtctcttgca aaaaaaaaat 180
aaannanaan acancaagta caatttaatg cntanaaagg cctctctcca taaaactcan 240
cnctttacag atgtangaat atataagcnn tgccaaaatt actaatntgc cacatacnna 300
gcatcaattc caggtgctag tnagngggaa aaaaanttgg agaattcggc cctcgangag 360
ctccanannt taanctncct tactaantnc canggttctt tcaagcatgg aaaaattaat 420
ngtgctncat ngatnaangn cttgtcattg ggccttnttt cctngacctg gcccggccgn 480
ccgttcnaaa ggctaaatcc agacactgcg gccgttntaa tggttcnnac ttgggccaag 540
cttgggnaat catgggcaaa gctgttcctg ggnnaaatnt tatccnctcc aattcncaca 600
natacgaanc tgaancttaa gtgtnanntn gggngctaaa agtggcnaan ctcccttnat 660
gg 662

<210> 346
<211> 654
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(654)
<223> n = A,T,C or G

<400> 346
acttcttggc cgcctcacta gcactctccg cctgcttttt aaaggcttca ttggaggcca 60
gcagcgtggc ctgctgcgaa atgagagtca ccaggcgtct aagcaggaag gacagcagcg 120
aggaaaagcc agcaatgtag agattcctct gggcacggaa aagcttcatg tggaagtgct 180
ccatggcccc gggattgttc tggaggttca ccttttccgt cacatcatca tacttccgaa 240
tttcgcgcac ggcatcgatg accaacagca caaggatgac aatgagaacc acaaagaagg 300
tgttgccata ggacactaac aactccacca gccgggactt gaaaatcttc tgccatcttt 360
taggagaaat gaagggaatg cagagaagca acacaacaaa gaccttcgca tagaggaagg 420
tggcaactgc agtccactgc agactcatcc tggtgctana agggttccac aggaagatgt 480
gaacttgttn cgagtttcca cagtcaacgt gtcccccgta ccttnggccg ngaacacnct 540
taaggcgaat tccaccactg cnggccgtct antggatcca actnggncca acttggcgaa 600
tatggcaaat tgttctnggg naaatggttc ngtcaattcc ccantacnac cgga 654

<210> 347
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 347
ggtactaatt taaggtaaca attctcgagg taaaataagg cattatagta acacaatttt 60
catgcctcag caattaacaa tgattttcgt ttaattctct tccaactcta cagacataat 120
tctgctttca ccttcatcac gctttcatat ggttttaaca ggggatacac ctcctcttct 180
aagaatctct gcacctgctg ggaggcacga ccagtgaaag aagaaggatc cagtaaatga 240
tccaactggg agtgaatggg actgaagtag gcatcaacct ggatacgctc tatgaggnca 300
ttgcaccccc ttcctgctta accacagaag ctgcctgctg agaaagcact ctgattttct 360
catggcaatc ctggcggcta ccttcacttt gaccatggcc atgatgatgg tctctgtggc 420
catgaaangc agctcttgcc gaatgcgccg tcaattactt tggggtacct gcccnggccg 480
gccgntcnaa nggcgaattt cagccactgg cngncgtact agnggatcca actcgg 536

<210> 348
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(665)
<223> n = A,T,C or G

<400> 348
ggtacgcggg gagtcggcgt aggccttagg tgggttcgtg cgccttctac ctcgctgttt 60
cggttttcct ggctcctcgg ccctttttctc ccctgttgca gctgggagcg gacgaagcgc 120
gaagctggga ttttttactg tctcctgaag aatttaacac aaacatggat atcagaccaa 180
atcatacaat ttatatcaac aatatgaatg acaaaattaa aaaggaagaa ttgaagagat 240
ccctatatgc cctgttttct cagtttggtc atgtggtgga cattgtggct ttaaagacca 300

tgaagatgag ggggcagg[redacted]tttgtcatat ttaaggaact gggctc[redacted]c acaaatgcct 360
tgagacagct accaggattt ccattttatg gtaaaccaat gccaatacag tatgcaaaaa 420
cagattcgga tataatatca aaaatgcgtg gaacttttgc ttaaaaaaaa aaannnnnna 480
naaaaaagtc ctgccnggcc gcccgttcaa anggcgaatt naccactggc ggccgttcta 540
gnggatccaa ctnggnacca acttggcgta atatggcaaa actggtnccg ngngaaatgg 600
tatccgttan aattcccaca cttcaaccgg aacctnaang taaacctggg gcctaagagn 660
gacnn 665

<210> 349
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

<400> 349
acttcgtcag tttgtaagac atgagtccga aacaactacc agtttggttc ttgaaagatc 60
cctgaatcgt gtgcacttac ttgggcgagt gggtcaggac cctgtcttga gacaggtgga 120
aggaaaaaat ccagtcacaa tattttctct agcaactaat gagatgtggc gatcagggga 180
tagtgaagtt taccaactgg gtgatgtcag tcaaaagaca acatggcaca gaatatcagt 240
attccggcca ggcctnagag acgtggcata tcaatatgtg aaaaaggggt ctcgaattta 300
tttggaaggg aaaatagact atggtgaata catggataaa aataatgtga ggcgacaagc 360
ncaaccatca tagcttgatn atattatatt tctgagtgcc agaccaaaga gaaggagtnt 420
aaanggatga tcntcttttg ggcatcattt tgggaccttn ggccgggaac accc 474

<210> 350
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 350
acgcggggac cgtggagagc agagcgcggc ggctggaagc tgctaagtca gagccgcgat 60
gttccggatt gagggcctcg cgccgaagct ggacccggag gagatgaaac ggaagatgcg 120
cgaggatgtg atctcctcca tacggaactt tctcatctac gtggccctcc tgcgagtcac 180
tccatttatc ttaaagaaat tggacagcat atgaagacag gacatcacat atgaatgcac 240
gatatgaaga gcctggttac agtttcgact cctctctgca agtgaatagg cccagaaagg 300
tgtaagagac tctttgaatg gacataaaat tctgcttgtt aagaacaagt ttggctctgg 360
taactgacct tcaaagctaa aatataaaac tatttgggaa agtatgaaac gatgtcttcg 420
tgatctggtg taccttggnc gngaccacgc tt 452

<210> 351
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 351
ggtacgcggg aataattcca tagtcaagag catcacagtc tctgcatctg gaacttctcc 60
tggtctctca gctggggcca ctgtcggcat catgattgga gtgctggttg gggttgctct 120
gatatagcag ccctggtgta gtttcttcat ttcaggaaga ctgacagttg ttttgcttct 180
tccttaaagc atttgcaaca gctacagtct aaaattgctt ctttaccaag gatatttaca 240
gaaaagactc tgaccagaga tcgagaccat cctagccaac atcgtgaaac cccatctcta 300
ctaaaaatac aaaaatgagc tgggcttggt ggcgcgcacc tgtagtccca gttactnggg 360
aggctgaggc aggagaatng cttgaacccg gnaggtggag attgcagtga gccagatcgn 420
acnactgnac tcagtctggc aantgagnag gcttccatct nanaangaan aganangang 480
actntnacct ggacctgccn ggccggtcgt ttgngcaggt cnggagattt attccccttng 540
ggtggggngc nntaattggn tgntgggccn attcangttt tgggaatttc nncttggnnn 600
naaaanggga aatttt 616

<210> 352
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(603)
<223> n = A,T,C or G

<400> 352
ggtacggcac ttggcgtaaa gccgcttccc tcaagagtaa ctacaatctt cccatgcaca 60
agatgattaa tacagatctt agcagaatct tgaaaagccc agagatccaa agagcccttc 120
gagcaccacg caagaagatc catcgcagag tcctaaagaa gaacccactg aaaaacttga 180
gaatcatgtt gaagctaaac ccatatgcaa agaccatgcg ccggaacacc attcttcgcc 240
aggccaggaa tcacaagctc cgggtggata aggcagctgc tgcagcagcg gcactacaag 300
ccaaatcaga tgagaaggcg gcggttgcag gcaagaagcc tgtggtaggt aagaaaggaa 360
agaaggctgc tgttggtgtt aagaagcaga agaagcctct ggtgggaaaa aaggcagcag 420
ctaccaagaa aaccagcccc tgaaaagaac ctgcagagaa gaaacctact acngaggaga 480
agaagcctgc tgcataactc ttaaatttga atatttcntt aagggcnaat nttttggcag 540
gttctttgga taagacntnt tttcngngtg ggaaaataan tnnnntattn nnggctntcc 600
tgg 603

<210> 353
<211> 604
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(604)
<223> n = A,T,C or G

<400> 353
ggtaccgact gtttttgaca actatgcagt cacagttatg attggtggag aaccatatac 60

tcttggactt tttgatac[redacted] cagggcaaga ggattatgac agatta[redacted]c cgctgagtta 120
tccacaaaca gatgtatttc tagtctgttt ttcagtggtc tctccatctt catttgaaaa 180
cgtgaaagaa aagtgggtgc ctgagataac tcaccactgt ccaaagactc ctttcttgct 240
tgttgggact caaattgatc tcagagatga ccccctctact attgagaaac ttgccaagaa 300
caaacagaag cctatcactc cagagactgc tgaaaagctg gcccgtgacc tgaaggctgt 360
caagtatgtg gagtgttctg cacttacaca gaaaggccta aagaatgtat ttgacgaagc 420
aatattggct gccctggacc tncagaccga agaagacccc aagtgtgtgc tgctatgaac 480
atctttcaga gcctttcttg nacagctgga ttggcatctt cttaaagcca tgnttaaatt 540
caacttanga ttaaaattaa aattcgtttt gcannatggc caatgcctgg actaacccan 600
ggcn 604

<210> 354
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(631)
<223> n = A,T,C or G

<400> 354
ggtacttttt ttttttttt ttttttttt tttgggacgg agtcatgctc tgtcgcccag 60
gctggagtgc agtggcatga tctcggctca ctgcaagctc cgcctcccgg gctcatgcca 120
ttctcctgcc tcagcctccc gagtagctga gattataggc acctaccacc acgcccggct 180
aatttttgta tttttagtag agacggggtt tcaccatgtt gaccaggctg gtctcgaact 240
cctgacctta ggtgatccac tcgccttcat ctcccaaagt gctgggatta caggcgtgag 300
ccaccgtgcc tggccacgcc caactaattt ttgnattttt agtaagagac agggtttcac 360
catgttggcc aaggctgctc tttgaactcc tgacctcatg taatcgacct gcctttggcc 420
ttccaaaagt gctgggatta ccaggtgtga gcccacaagc cccggnacct ggccnggcng 480
gccgtttaaa agggcgaatt cagcacaatg gnnggccgta ctaaggggat ncnanctttg 540
nanccaactt tgggggaaat atggggcana actggttcct ngngnaaatg gtaaccgtta 600
caaattcccn caaantttg nnccgggagg n 631

<210> 355
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(626)
<223> n = A,T,C or G

<400> 355
ggtacgatgc ctagtgatga gtttgctaat acaatgccag tcaggccacc tacggtgaaa 60
agaaagatga atcctagggc tcagagcact gcagcagatc atttcatatt gcttccgtgg 120
agtgtggcga gtcagctaaa tactttgacg ccggtgggga tagcgatgat tatggtagcg 180
gaggtgaaat atgctcgtgt gtctacgtct attcctactg taaatatatg gtgtgctcac 240
acgataaacc ctaggaagcc aattgatatc atagctcaga ccatacctat gtatccaaat 300
ggttcttttt ttccggagta gtaagttaca atatgggaga ttattccgaa gcctggtagg 360
ataagaatat aaacttcagg gtgaccngaa aaatcagaat aggtgtttgg tttagaatgg 420
ngtcttctnc ttcngctggg gtnnaagaan gtnggggttc nngcgtnctn gntcgggcgg 480

ntggttttaa nggccnaaa ccnngnataa ttggcggcng ttactaag g gnatctanct 540
tggtnccaaa nttggngnta atcatggtnc tagctngtnc tcngtgntaa attggntncc 600
tgttaaattn tntnnaatnt tntggc 626

<210> 356
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(617)
<223> n = A,T,C or G

<400> 356
actttttttt ttttttttt ttttttctа gtttcagtta tttattgatt taatcattgt 60
aatctccaat agagattaca atagagatct ccaacatgat ttcatgcatt tagaggagaa 120
atatttcctg gttaagtgga aaattgtgcg gatgtggctt ctggaanacc ttcattctaa 180
agcagcgtta tagtgaaaca tttcatttan aaatctggac gttccttctt cagcttgctg 240
taatccacat tcactgagta naacttgtat tgatcattgg gacccagttt gttccagggc 300
tctgggttat ttctgtccca acaaacatct ggattgaaca atgccagacg caagagatac 360
agtgttgctc cagtagctcc agttccaata aatacnaaga gggggatcaa gctcggatgc 420
ttcttggcct gaccgatgat ctggccggaa ncatgtttgc cggcaaaagg ctccnacttg 480
ggaaagggga naacccgcct aaccnccagg gcctaagctt aaaatttttg gccccgggta 540
ccttggccgg gacccccctaa gggngnaatt ccnnccccctt ggggggccgt ttaangggan 600
ccaacttggn ccaaatt 617

<210> 357
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 357
ggtacttttt ttttttttt ttttttttt ttttaggcaa agaactttat taatctttgt 60
ttcaaacttg attcccaggc ttcttcggct taattagctg caaagaatga attgngtata 120
agcaaaaact gaaaagagct gcagtgtcca aggggcttgg gcttaaaaat attagagatc 180
tagattttat cagatccata aacaaaaatt tcttaaaaag cagtcataat ataaaatagc 240
agctcccagt aacttcttca ggntttatct tcagaagttg actcaattca gtttgcctca 300
ttcttggaag cctcatcaaa attctccaca agatctggaa cttcatcatc atcatcctct 360
ccagtaacaa gtggngcttt tccatcccca gantggttgg gcanaacttt ngnccagctc 420
cttaacttag cagactattc ggacccaagc tnggttnaaa aanctgggaa cnatttntgn 480
naactggttt ggttnaacan ggcntgnaag ggggaaaggn gtnccctgcc caaaaaaccn 540
ggacctttag ggtgnnaaag gggacctggc cctgggttgg aaccaantcn ccttttnana 600
ccnnanaatn g 611

<210> 358
<211> 619
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

<400> 358
ggtacttttt ttttttttt ttttttttt ttgagatgga gtctcgctct gtcgcccagg 60
ctggagtgca gtggcgcaat ctctgctcac tgcaacctcc gcctcctggg ttcaagcaat 120
tctcctgtct cagcctccca aatagctggg attacgggca tgtgtcacga cgctcggcta 180
atttttgtat ttttagtcga gacgaggttc caccatgttg gctaggctgg tctcaaactc 240
ctgacctcag gtgatccgcc tgcctcggcc tcccaaagtg ttaggattac gggtgtgagc 300
cactgcgccc agcaagcaac ctagatttta aaacaacatg agataaataa gcctaattgg 360
atttaactac atctaacatt tttactaata gttgnaatac tggtagaatt tggaaactat 420
tatatatatt atgcngaaaa gtaaataatt ctggtaaaat canttanggn ccntgaattt 480
nagcataggg gaaaaaaaga tgccntttta aatccaataa gtaaaaaccn tttaaccctn 540
tntttaaatt ggaanttccc cccaatttnt tattaatttc aacttntttt gaaaactcat 600
ntttccnaaa antnggggg 619

<210> 359
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = A,T,C or G

<400> 359
ggacttttt ttttttttt ttttttttt ttttttggag gaaaacccgg taatgatgtc 60
ggggttgagg gataggagga gaatggggga taggtgtatg aacatgaggg tgctttctcg 120
tgtgaatgag ggttttatgt tgttaatgtg gtgggtgagt gagccccatt gtgttgtggt 180
aaatatgtag agggagtata gggctgtgac tagtatgttg agtcctgtaa gtagganagt 240
gatatttgat caggagaacg tggttactag cacagagagt tctcccagta ggttaatagt 300
ggggggtaag gcgaggttag cgaggcttgt tanaagtcat caaaaagcta ttagtgggag 360
tagagtttga agtccttgag agaggattat gatgccactg ngaatgcntt cctaatttga 420
gtttgctagg cagaatagtn atgaggatgt aaacccctng gccaattatt aaaaatgact 480
gcncccgtga aacttnaggg ggtttggatt aaaaangctt gtacttccaa nggctntntg 540
gcctnattta aaaaatttcc ctnnncnaat ttagggcttn ttnncnnaag ccnanagggn 600
ccccnancct ttcccggggg ggcn 624

<210> 360
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 360
acgcggggag gcggaggctt gggtgcgttc aagattcaac ttcacccgta acccaccgcc 60
atggccgagg aaggcattgc tgctggaggt gtaatggacg ttaatactgc tttacaagag 120
gttctgaaga ctgtcctcat ccacgatggc ctagcacgtg gaattcgcga agctgccaaa 180
gccttagaca agcgccaagc ccatctttgt gtgcttgcat ccaactgtga tgagcctatg 240
tatgtcaagt tggtggaggc cctttgtgct gaacaccaaa tcaacctaat taaggttgat 300
gacaacaaga aactaggaga atgggtaggc ctttgtaaaa ttgacagaga ggggaaaccc 360
cgtaaagtgg ttggttgcag ttgtgtagta attaangact atggcaagga gtctcagcca 420
aggatgtcat tgaagagtat ttcaaatgcc agaaatgaag aaattaaatc nttggcttac 480
ttaaaaaaaa annnnnnnnn aaaaaaaagg tccttgggcg gnacaccctt aaggggnaat 540
tcnnnnccct gggggccntt ataangggnn ccnacttggg ccaaattggg naaananggg 600
naaantttt n 611

<210> 361
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 361
acatatttta atagaaagat acaacctttt tattttcact ccttttattt ctgctgcttg 60
gcacattttt gagttttccc acattatttg tctccatgat accactcaag cagtgtgctg 120
gacctaaaat actgacttta gttagtatcc ttggattttt agattcccag tgtctaattc 180
cctgttataa tttgcgcaaa caaaacaaaa tgttatgata atctttctcc actgttctaa 240
tatatattgt atttttattt gatagcttgg gatttaaaac atctctgttg aaggcttttg 300
atccttttga gaaataaaga tctgaaagaa atggcataat cttaaaactt gataaaaaaa 360
aaanannnnn nnnaaaaaaa aaagtacctn ggccgngacc acgc 404

<210> 362
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

<400> 362
ggtacttttt ttttttttt ttttttttt ttttttggag ttgtaggcaa atgtttaatt 60
aattctgctc atatgcacat ctgaaagcat gagacacact ccacagacag cacgcactgg 120
ggctggtggg gcanatgggc actcgccgat taggtattaa tgtcaataat acgtgcataa 180
agtgctgata aaataactta agtgttacaa aaagagacag tccacggtgg ctgcaggcac 240
atgcaggcgg gactgggtca gacactccag ggctgcacat gttccagctg gcctgagtcc 300
gacacgtcat agctggcctt gt 322

<210> 363
<211> 616
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 363
cgaggtacgc gggctaagca agggaaaaat aacagtttct ctgagccaga gaagacttga 60
tcacagttct ccaagcatcg tgatagcaat gcttaacccc aggaagattt caaggcaggg 120
agaagaacat ttcaaataag attcttgtta acccatttat gcctagtgtt ccattattgg 180
aatgctaagc ttgtgggagt catttacatc ctactgctca aagtcattgc caaggtctga 240
tttttcacac aaaaaattgc aacccccagc ataaatgttt agctactgtc atcagttagc 300
aaattcatcc acacaaacac aattagagtt tggtttttt ttaagctttt caaaacttac 360
taaactggca caattttata tgtatgctat ttggtgnatt tatgcttaag agcnaaaaag 420
tttgatggga ttttaaattc angccaagcc tacacgctga gacaatccct acaaccatgg 480
nagtaactaa ngaaccttta tctaagnttt taagttttaa anggagngct taatggttca 540
ngtctangtt ggaatttcct tcanaaattt cntcttttaa aaaattttcc caaaatnggt 600
ccttaaaaaa ctcann 616

<210> 364
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 364
cgaggtacgc ggggcttctc gcctaacgcc gccaacatgg tgttcaggcg cttcgtggag 60
gttggccggg tggcctatgt ctcctttgga cctcatgccg gaaaattggt cgcgattgta 120
gatgttattg atcagaacag ggctttggtc gatggacctt acactcaagt gaggagacag 180
gccatgcctt tcaaatgcat gcagctcact gatttcatcc tcaagtttcc gcacagtgcc 240
caccagaagt atgtccgaca agcctggcag aaggcagaca tcaatacaaa atgggcagcc 300
acacgatggg ccaagaagat tgaagccaga gaaaggaaag ccaagatgac agattttgat 360
cgttttaaag ttatgaaggc aaagaaaatg aggaacagaa taatcaagaa tgaaagttaa 420
agaaacttca aaaggcagct nttctgaaag cttnttccca aaaaagcacc tgggtacctg 480
gccgggccgg ccgtttaaaa gggcnaattc caccactggc ggccgtctan ngggatccaa 540
cttnggacca acttggngga atatggcnaa attgttcctg gggnaaatgt ttncgttcaa 600
attncncaaa ttacggcc 618

<210> 365
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(601)
<223> n = A,T,C or G

<400> 365
acgtcctgga ggactctatt gtggacccac agaatcagac catgactacc ttcacctgga 60
acatcaacca cgcccggctg atggtggtgg aggaacgatg tgtttactgt gtgaactctg 120
acaacagtgg ctggactgaa atccgccggg aagcctgggt ctcctctagc ttatttggtg 180
tctccagagc tgtccaggaa tttggtcttg cccggttcaa aagcaacgtg accaagacta 240
tgaagggttt tgaatatatc ttggctaagc tgcaaggcga ggccccttcc aaaacacttg 300
ttgagacagc caaggaagcc aaggagaagg caaaggagac ggcactggca gctacagaga 360
agccaaggac ctcgccagca aggcggccac caagaacagc agcagcagca acagtttgtg 420
taaccagnct accaacaaca nagnacccca nacaggtagg cttacccctt tggcctcctt 480
taatggacct tggccgggaa caccccttang gcgaattcag ncactggggg ccgtactang 540
ggatccnctt ggaccaactt ggggaaacag ggcaaaattg ttcttgggga aattntatcc 600
n 601

<210> 366
<211> 321
<212> DNA
<213> Homo sapiens

<400> 366
actttttttt ttttttttt ttttttgag atggagtctc actctgtcgc ccaggctgga 60
atgcagtggt gcaatctcag ctcactgcaa cttccacctc ccaggttcaa gtgattctcc 120
tgcctcagcc tcccacatat ctgggactac aggtgcacac caccatgccc agctaatttc 180
tttgtatttt ttagtagaga cggggtttca tcttattggg caggctggtc tcgaactcct 240
aaccttgtga tctgcccacc tcggccttcc aaagtgctgg gattacaggc gtgagccacc 300
gtgctcggcc acccgcgtac c 321

<210> 367
<211> 264
<212> DNA
<213> Homo sapiens

<400> 367
actgatcatg gagttaatca acaatgtcgc caaagcccat ggtggttact ctgtgtttgc 60
tggtgttggt gagaggaccc gtgaaggcaa tgatttatac catgaaatga ttgaatctgg 120
tgttatcaac ttaaaagatg ccacctctaa ggtagcgctg gtatatggtc aaatgaatga 180
accacctggt gctcgtgccc gggtagctct gactgggctg actgtggctg aatacttcag 240
agaccaagaa ggtcaagatg tacc 264

<210> 368
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

<400> 368
ggtacagatg cacaggaggc catagggttt aggcanaggg gagcacaaan gttgaagatg 60
aggcgctgcc atcaatgctg ggacttcagg cnaagggcag gaactgagga agccacaagg 120
gaggacattt tctgcagttg ctgaancagt ancaactagg tcctgagaaa gccctntctc 180
gtggaagaat aacagccagg cnggaaagct tttcatcctg caaagctggg gaagaagatt 240

cttccttaaa ttgtcatctg cacttcagct cangaatcct gttggctgca gtccagagtg 300
tccntttctg attcctgaag tanatnaaca gcccngnccc aangaagagn aggnntagta 360
caaagccnnc tncgcgtacc tgtncgggcg gnngttcgna aggntcaaat tccagcacaa 420
ttgnctgccg ttantagttg gattctnact ttngtactta ncttggcgta ntttatggtn 480
ataanttg 488

<210> 369
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(602)
<223> n = A,T,C or G

<400> 369
acgggggttt cactacttct cccccggact ccttggtagt ctgttagtgg gagatccttg 60
ttgccgtccc ttcgcctcct tcaccgccgc agacccccttc aagttctagt catgcgtgag 120
tgcatctcca tccacgttgg ccaggctggt gtccagattg gcaatgcctg ctgggagctc 180
tactgcctgg aacacggcat ccagcccgat ggccagatgc caagtgacaa gaccattggg 240
ggaggagatg attccttcaa caccttcttc agtgaaacgg gtgctggcaa gcatgtgccc 300
cgggcagtgt ttgtagactt ggaacccaca gtcattgatg aagttcgcac tggcacttac 360
cggcagctct tcaccctgag caactcatca caggcnagga aaaatgctgc aataactatc 420
ccgaaggcac tacaccattg gcaaggagaa taattgacct gtgttggacc gaattcgcaa 480
gctggctgac catgcaccgg cttaagggtt nttggttttc ccaacttttg gggggggaac 540
tgggtttngg gtaaccctnn tggtnatngg aacgntttta antggatttt gggaanaaan 600
cc 602

<210> 370
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 370
actttttttt ttttttttt tttagttttt ttttattttt tacaaatata ctggagaatc 60
atgcaatgct gccagcattg gatgcaatcc ggggccacaa gtctgcacac tcctttgcta 120
ctggtcctgt aatggcagaa cctttcatct cgcctttatt gntcactatg actcctgcat 180
tatcttcaaa ataaagaaac acgccatctt ttctacggta tgactttcgt tgtcgaatga 240
ccactgctgg atgtacc 257

<210> 371
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(607)
<223> n = A,T,C or G

<400> 371
actttttttt ttttttttt ttttttgct atttagtttt tatttcataa tcataaactt 60
aactctgcaa tccagctagg catgggaggg aacaaggaaa acatggaacc caaagggaac 120
tgcagcgaga gcacaaagat tctaggatac tgcgagcaaa tggggtggag gggtgctctc 180
ctgagctaca gaaggaatga tctggtggtt aagataaaac acaagtcaaa cttattcgag 240
ttgtccacag tcagcaatgg tgatcttctt gctggtcttg ccattcctgg acccaaagcg 300
ctccatggcc tccacaatat tcatgccttc tttcactttg ccaaacacca catgcttgcc 360
atccaaccac tcagtcttgg caagtgcaga tgaaaaactg ggaaccantt ggggttgggt 420
ccacatttgc catggacaag aatgccagga acccgtatgc tttaaggatg aagtctcatc 480
ttcaaaattc ttccccataa atggacttgc caccagngcc attatggcgt gtgaagtccc 540
cancctggcc cataaaccct ggaaaaatnt tggnaaaccg gaaccctttt aaccaatcct 600
tttttc 607

<210> 372
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 372
acgaatgtgg gaattactca ggagcagcag aatatcttta ttttttaga gtgctggttc 60
cagcaacaga tagaaatgct ttaagttcac tctggggaaa gctggcctct gaaatcttaa 120
tgcagaattg ggatgcagcc atggaagacc ttacacggtt aaaagagacc atagataata 180
attctgtgag ttctccactt cagtctcttc agcagagaac atggctcatt cactggtctc 240
tgtttgtttt cttcaatcac cccaaaggtc gcgataatat tattgacctc ttcctttatc 300
agccacaata tcttaatgca attcagacaa tgtgtccaca cattcttcgc tatttgacta 360
cagcagtcat aacaaacaag gatgttcgaa aacgtcggca ggttctaaaa agatctaggt 420
taaaggttat tcaacangga gtcttacnca tntaagaccc cattacngga atttggtgaa 480
tggttatatg taactttgac tttaangggc tcaaaaaaag ctnaggggat gtgaatcaag 540
cttgngaagg ctttttttgg gggctngntt nngggtttnt tgnaaagncc ngttttnntt 600
ttggaat 607

<210> 373
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 373
acttttaatg tttgctgttc aaacgaaaat agattggatc ttggttaagt tcacttggtt 60
tggccaggca cagtggctca cgcctgcagt cccagcactt ggggaggtgg aggcgggccg 120
atcacctgag gtcaagagtt tgagaccagc ctggctaacg cggtgaaacc ccatttctac 180

taaaaataca aaaaatta[redacted] tgggcgtggt ggtgcgcgct tgtaat[redacted]ca gctactcggg 240
aggctgaggc aggagaatcg cttgagccag agaggcaaag gttgcaataa gccaagatag 300
cgccattgta ttccagcttg gacaacaaga gcgaaactct gtctaaaaaa aaaaaaaaaa 360
cacacacaca acacaatatt ttcacgcctg taaacctagc acattgggaa gccaaggtgg 420
gaggattgct tgaggccagg agttcaaggc ttgcantgag ctatgaatgn acactgnacc 480
tttggncgng aacacnctta nggccaaatt ccngcacact tgggggccgg tactaanggg 540
atcccanctt tggnnccaaa nttggngnaa acatgggcaa aattggtncc tggngaaaat 600
ggttccgttc caaatccc 618

<210> 374
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 374
acccagctgc tgcccacatt tctggtccag agtcccgaac cccgagcact gggatgcctg 60
gctactccga gcgttatcca gactagcgag tgggaggcag atgtaaaatc tggaacgcag 120
attttagttt gttggaagga gaaatgtaac atagtgaacc acgcatctct ggagggtgta 180
aagcagagac agccaagagc caaggcactg atgtttgaac tggaaacttc aaaacgttta 240
ataagagtct tcaggatggg tttgaactag acaagctaga aatttcttta gaacaccagc 300
tctagcatgc atctcccact tttggctttc ctggagagga gcttgaagag gtggttctgc 360
agacagccac agtgatactc aggaaacnca gaggaatgga tttgactttt ctgctaggaa 420
tctttggtat aagttctcct tgagttgtaa gangcatgga aatatacatg aaactgaana 480
acctgcaagg aanggaaatg ggaacntttc atctgagtgn aaactaacca agtnggcaat 540
ttngacttga aacccttgaa accttcnagt ccaantcctg gtttggggga taaangaacc 600
ggncn 605

<210> 375
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(602)
<223> n = A,T,C or G

<400> 375
acggatgcta cttgtccaat gatggtaaaa gggtagctta ctggttgtcc tccgattcag 60
gttagaatga ggaggtctgc ggctaggagt caataaagtg attggcttag tgggcgaaat 120
attatgcttt gttgtttgga tatatggagg atggggatta ttgctaggat gaggatggat 180
agtaataggg caaggacgcc tcctagcttg ttagggacgg atcggagaat tgtgtaggcg 240
aataggaaat atcattcggg cttgatgtgg ggaggggtgt ttaaggggtt ggctagggta 300
taattgtctg ggtcgcctag gaggtctggt gagaatagtg ttaatgtcat taaggagaga 360
atgaanagaa gtaagccgag ggcgtctttg attgtgtagt aagggtggaa ggtgatttta 420
tcggaatggg aagtgattnc taaggggntg tttgancccc gtttgtgcca gaatangaag 480
tggaatgctt cttanggctt caataaatga anggcanaat gaattgaaag gtaaanaaac 540
cntnaagggt ggacttgtta ctgataaccn tcctaaaatc attgccccgn aacttggccg 600

gg 602

<210> 376
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 376
acgcgggatc gaagaattca caaaaaacaa tagcctcatc atccccacca tcatagccac 60
catcaccctc cttaacctct acttctacct acgcctaatc tactccacct caatcacact 120
actccccata tctaacaacg taaaaataaa atgacagttt gaacatacaa aacccacccc 180
attcctcccc acactcatcg cccttaccac gctactccta cctatctccc cttttatact 240
aataatctta taaaaaaaaa aaaaaaaaaa aaaaaaaaaa ncaaaaaaaa aaaaanaaaa 300
aaaaaaaang tncngccatt tttngtttcn ggtaaacngg aatataangn gaaagaacaa 360
acnttggaac atacttaatg gatttttata gaactttgna aaccaaagga gattcatgtt 420
ttanaagtct ggccttttt atatcttgga agaaaattat gtntggaggc tntaaataaa 480
tcccattatt ttctcaggga atctgggtag gaattgccgg catgggaant tttnnggggc 540
cggatnggaa agtttggcct aanaaatngc nctttntnaa naattttgga attttgggaa 600
gcccnaagca n 611

<210> 377
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

<400> 377
acgcgggccg tttggcatct ctgccctcat cgtgggtttc gactttgatg tcactcctag 60
gctctatcag actgacccct cgggcacata ccatgcctgg aaggccaatg ccataggccg 120
gggtgccaag tcagtgcgtg agttcctgga gaagaactat actgacgaag ccattgaaac 180
agatgatctg accattaagc tggtgatcaa ggcactcctg gaagtggttc agtcaggtgg 240
caaaaacatt gaacttgctg tcatgaggcg agatcaatcc ctcaagattt taaatcctga 300
agaaattgag aagtatgttg caaaaaaaaa aananaaatn aaanaagtac ctcggccgng 360
accacgc 367

<210> 378
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 378
ggtacctgga tcctgctcct ctgggttgaa acccgggcgc cgccaagatg ccggcttacc 60
actcttctct catggatcct gataccaaac tcatcggaaa catggcactg ttgcctatca 120
gaagtcaatt caaaggacct gcccccagag agacaaaaga tacagatatt gtggatgaag 180
ccatctatta cttcaaggcc aatgtcttct tcaaaaacta tgaaattaag aatgaagctg 240
ataggacctt gatatatata actctctaca tttctgaatg tctgaagaaa ctgcaaaagt 300
gcaattccaa aagccaaggt gagaaagaaa tgtatacgct gggaatcact aattttccat 360
tcctggagag cctggttttc cacttaacgc aatttatgcc aaacctgcaa acaaacaggg 420
aagatgaagt gatgagagcc tatttacaac agcttaaggg caagaaactg gactggaact 480
ttgtgaagaa gttttcgacc cttagaatgg ttaaaccnac agtgggggga cttgcttttg 540
gaaaanaccg tttattgacn anagtttttt tggactggan atgaaaggng cccnggttng 600
ccccggtttn n 611

<210> 379
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(602)
<223> n = A,T,C or G

<400> 379
acagctggtt ggacctattc atgcatcttc accagcagct ggagcatctc cacccttggt 60
atttctggtg taaattactt gagctctgtg ctttgaaacc agtttgataa gtcctttact 120
aaggagctcc tgaagggctg ccctggccag ggagcctcga atcttcagtc tctcagagac 180
cacagctggg gttataagtt tatagttggg aacttcctta cagagtttat cataggtagc 240
tttgtcaaac aagactaagt tattgagctt gtcccgaact ttgcctttgg accacttctt 300
ctttttggcc ttgccccccgg atttgttcac tgggtctttg nctttcttgg ccgactttcc 360
agcgtccttc ttcttcttgt cgtccttagg cggcattgcc aagctcggag aatagcanca 420
gacacngnaa cctngtcaag atgtcngaca aaaagccccg ggtaccttgg gcgngaacac 480
gcttaaggcg aattccacac actggcggcc gtactanggg gatccagctt nggaccaact 540
tggnggaaac atggcnaact gnttcctngn ggaaaatgtn atccgttaaa attnccccaa 600
at 602

<210> 380
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 380
ggtacngcgg ggggtgcctg gctccgtttc ctgcttttgg ttcttacagt agtcggcgta 60
ggccttagat tttttactgt ctcctgaaga atttaacaca aacatggata tcagaccaaa 120
tcatacaatt tatatcaaca atatgaatga caaaattaaa aaggaagaat tgaagagatc 180
cctatatgcc ctgttttctc agtttggtca tgtggtggac attgtggctt taaagaccat 240
gaagatgagg gggcaggcct ttgtcatatt taaggaactg ggctcatcca caaatgcctt 300

gagacagcta caaggatttc cattttatgg taaaccaatg cgaatcagta tgcaaaacag 360
attccggata taatatcaaa aatgcgtgga acttttgttg ccaagaaaag aanaaagaaa 420
agaaaaagnc caaacttggg aacaactgna caaccncaac caaaaanctg ggcnngggac 480
tccaaatcac ttatacccag ggaattcacc ccnaatctta ggtcctgata ccttcaacta 540
tatttaatcc ttaaaactta nccgaagagc taatngatga tgtntcctgc cggtaacn 598

<210> 381
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(631)
<223> n = A,T,C or G

<400> 381
ggtacgcggg gagagtgtgg tcaggcggct cggactgagc aggactttcc ttatcccagt 60
tgattgtgca gaatacactg cctgtcgctt gtcttctatt caccatggct tcttctgata 120
tccaggtgaa agaactggag aagcgtgcct caggccaggc ttttgagctg attctcagcc 180
ctcggtcaaa agaatctgtt ccagaattcc ccctttcccc tccaaagaag aaggatcttt 240
ccctggagga aattcagaag aaattagaag ctgcagaaga aagacgcaag tcccatgaag 300
ctgaggtctt gaagcagctg gctgagaaac gagagcacga gaaagaagtg ctttagaagg 360
caatagaaga agaaccacaa cttcgtaaaa atggcngaan aagaaactga ccnccaaaat 420
gggagcttat taaagagaan ccagangnnc caatngnttg gccaactggg accgtttgca 480
anaagaaggg ttagccccnt tgaanaaatg ccggaagaac caaagaattc caagaccctt 540
gntgcnaaac ttgaacttgc ctaattggtc ttgagaactg ctttttccc atcccttcta 600
aaatccaaaa atgnacctgc ccgggggccg t 631

<210> 382
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 382
acattcccag atttttaagc ctccctcata aacacctgta atcagatcag agtgagaaga 60
aaagcttttt gaaactatgt tttctccagg gaagttctct ttcaacaaga tggttttcac 120
tactgataac ttaacatgct ggaaacctgg taatgtttct atgactttat tttctaacat 180
cttctttaaa tctttaggca tagcatgctc tttggcagct ctcaaggagg gctgtttcca 240
tgtggctcca agttccttga actgctggct gcactgagtg gactgtctgt gtcttgagag 300
ggagctgcat tttcattgac ttatggtccc acaagtgacc ctgaggcaan gtcnaattgg 360
tctncanaac atttttggcc ctctcttctc ctttttgact tttctgagac tgacagttct 420
tttganggaa tccagggnna angcttccnt ctctaatggg ggntaaattc attttccaaa 480
anggncggtt tttgggaaaa tnaaanttga aanggcatcc nttttattaa tgccccnanc 540
ttttaanttc ngattntnaa cttnctgnta gaatttgtgg atccnccaaa ttggcttaat 600
attcaaatag ctt 613

<210> 383

<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(628)
<223> n = A,T,C or G

<400> 383
ggtactttga ccctggaaag gtatgggtct gcttaaaaga aagaagaaac atacacgtaa 60
tcaaataaag cttaacatta tgcagggctt ataatcattt tcagcaacgg actgcaagct 120
gcactgtgaa gaaaatgcat agcagaggag aaagctgggg atctgaggaa ataggtaagg 180
aaaacagtgt caacacacag tggaagaagt gatgaagaca tctattccgg agctcacgtg 240
ccatgccctg ctagcgttcc ttaacaagcc acctgctcca gaaggccaca gcctgaccct 300
cccaagtgga atataaatgc ccaagtgcca catgaagcca ccttctncac tacctaaaaa 360
ggttgtctgg gactgagctc agaacacaca cctttctggg ctaccaaacc tttaagtgga 420
aagaattttt tnctaaatat ctantttna tacccacttt aacgccactt ttatattgaa 480
attgggcttc taattagncc ctttcctcaa ttccttagga nggaactcat aatgggagcc 540
aaccaaccag ggattctacc cccaatngac tgnnctttaa angtattatt aattttgang 600
ggcaaaggtg tgaatggttt acaatacc 628

<210> 384
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 384
acaggtaagc cctggctgcc tccacccact cccagggaga ccaaaagcct tcatacatct 60
caagttgggg gacaaaaaaa gggggaaggg ggggcacgaa ggctcatcat tcaaaataaa 120
acaaaataaa aaagtattaa agcgaagatt aaaaaaattt tgcattacat aatttacacg 180
aaagcaatgc tatcacctnc cctgtgtgga cttgggagag gactgggcca ttctccttag 240
agagaagtgg ggnggctttt angatggcaa gggacttcct gtaacaatgc atctcatatt 300
ttggaatgac tattaaaaaa acaacaatgt gcaatcnaaa gtctcggccc atttgcggaa 360
ctttgggggg atgcttgctt cnaccgantt ggtgncaacc tttnnccggt tccanttttt 420
naaattctta gtnnaagcnn aaaaannntag aatancncna nancataact tannaancca 480
tttaanaggt ccctcggccg gaacnnnctt aanggtnaat cccantnnnt ggcgggcgtt 540
actncnggat ccanccttgg nnccaaantn gnggaattca tggcnnaacc gntcctgggn 600
gaantngttn ccttnaaanc 620

<210> 385
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(535)

<223> n = A,T,C or G

<400> 385
ggtacttttt ttttttttt ttttttggt atttagtttt tatttcataa tcataaactt 60
aactctgcaa tccagctagg catgggaggg aacaaggaaa acatggaacc caaagggaac 120
tgcagcgaga gcacaaagat tctaggatac tgcgagcaaa tggggtggag gggtgctctc 180
ctgagctaca gaaggaatga tctggtggtt aagataaaac acaagtcaaa cttattcgag 240
ttgtccacag tcagcaatgg tgatcttctt gctggtcttg ccattcctgg acccaaagcg 300
ctccatggcc tcacaatatt catgccttct ttcactttgc caaacaccac atgcttgcca 360
tccaaccact cagtcttggc agtgcagatg aaaaactggg aancntttgg ggtngggncn 420
acatttgcct tggccaaaat gccnggaacc ggccccgtac cttgnccngg ccggccggtt 480
caaaagggcg aattccacac acttggcggg ccgtactang gggatccaac ttcgg 535

<210> 386
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(642)
<223> n = A,T,C or G

<400> 386
acagcattgg cagtggtgcg tcagaggtgg cagaactatt tcacactaac cagttgaaga 60
ctacacaaga ttaataccat ccagcatcag gatatagctg tggattttac aaaccattct 120
tatttctaac ttcaggagtt gatgtttttc ccagtccatc ttaaaatatt actgctttaa 180
tcacagatca ggtaaaaagg acaacatgca caacctccac ctagaatcct gttgtagcct 240
agacagtgaa atgatatgac atcagaagac tttaaaattg cagctccttt tggatccccc 300
aaagtgtatc tgcactcttc ttcaaacggg ccctctttcc tcaagaagtc agaagtcacc 360
ttcacaangn ctgagaattc cattctgnnc ccaaantgca agggacactn aaggaagaca 420
tcattctttt attccgtnaa agacccttaa ttcatgggng gaaactgggt gcacccgcct 480
nagaatcttt attanactct ttgnccaatt tggttacaga agagntncan tancccang 540
aannggtagc ctttggagtt tgantcaccc tcataagcac ccttaaacca cctgnttggg 600
gaaccttctt tcactggtcc ctaactttat tangccctaa ag 642

<210> 387
<211> 256
<212> DNA
<213> Homo sapiens

<400> 387
ggacctttt ttttttttt ttttttttt tgaaaagaaa ggccttacat atttattact 60
gaatccagcc aaccaacgtg ttcataacag attcagagag gaaaacacgt cgaaatctcc 120
agatagtggt gacattttca gcttgatatg gtaacatgat cgtgaccttc agacagcata 180
aatatgtgtg ccatctcatg tgcaattcct tatagaccca gcttggttct tctccaatgt 240
ctcctttggg agttgt 256

<210> 388
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 388
ncnagcggcc gcccngncng gnactgaaca ttggtaaaaa attatatgag ggtaaaacaa 60
aagaagtcta cgaattgtta gacagtccag gaaaagtcct cctgcagncc aaggaccaga 120
ttacagcagg aaatgcagct agaaaaaaac cacctggaag gaaaagctgc natctcaaat 180
aaaatcacca gttgtatttt tcagttatta caggaagcan gtattaaaac tgccttcacc 240
agaaaatgtg gggagacagc tttcattgca ccgcagtgtg aaatgattcc aattgaatgg 300
gtttgcacaa gaatagcnac tggttctttt ctnaaaagaa atcctggngt caaggaagga 360
tataagtntt acccccctaaa gtggagntgt ttttcaagga tgatgcccat taatgaccnc 420
cagtcgggct tgaagaacna cttgattgct gcaaaaattt gcttttcttg gacttcttat 480
anggcnaacc tgaaanggat ttcatgaagt catgctacnc aggctatatt tgaaatctgg 540
gagaaatcct ggttgcccaa aattgg 566

<210> 389
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 389
actttttttt ttttttttt ttttttgttt ttttttttt ttttttttt ttttttttgc 60
agtttctaag tcattacttt tnattttgaa agatttgnga aactnttcac atcatggtga 120
gagtttgtat gattaataan aagcagcttt ttcatgaaat gcttggaggt gaacgagttn 180
tcagcctgng anatccgacc ntcccattaa ctttgaagtt tctcttgatt aatagaagaa 240
aaaaggggag ggtgaanaaa aggaggaaca tgctaaaaac cttatgacaa tcatccaaat 300
gtgaggaaag aacaacccga ttcaccaact ccacttttc tattttacaa ctttctacat 360
ctcacncttg gattttggcc ttcntggctn aaacantcct ggcantccnt tanagcccct 420
gaaaaagagc cntggntttt ncaaaagacn ntnggnnggn gaannccttn annatgccct 480
gacccnttcn cnaagaactn nntntccggg ntcccaaaag tttgacccan cagcttantg 540
tgaannnaaa actnnccttn aaaggtaatg ggnggaannng gtgannaant gggtttttt 600
ganaagtctt ntttttctna aaaccnccg 629

<210> 390
<211> 596
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

<400> 390
actttaattt atttcccctt tctagtgtat taagaaatga catgcacttt aatttgccaa 60
aagcaatgct tgtattctgg cagcaacatg ctacttctat cacatagtaa agtgaatacc 120

agaactacaa aggcaggagg tgtaagtgaa tttttattgg gaggggaggt tggcaactta 180
aacagcagca aataaagagt gaataaggaa actccctgtt gccacagata cacaagacct 240
ccgtatgtga tacaggagcc atttcaattt gtgaccccta gacagagatg gcaagtgctt 300
ttccattcaa tctaatactt ccggattcct actaaaaagg aatcattaag agcatggaaa 360
agttgcttac tggaaaggaa acccccgaag agtaagggaa gggaatgtga aattaagaag 420
ttatgtggaa tctcttaaat tgnaattact acatttctta atttccaggt atnccaaaca 480
cagtccnttg caaaactggt cagntactta aatnccngat ccattttagg cnttacataa 540
gtgtttggga gtacctatgg tatttnaatg aacttttaaa cttttntccg ccgtcc 596

<210> 391
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(625)
<223> n = A,T,C or G

<400> 391
acacacccag gaaatttgtc atccaccctg agagtaacaa ccttattatc attgaaacgg 60
accacaatgc ctacactgag gccacgaaag ctcagagaaa gcagcagatg gcagaggaaa 120
tggtggaagc agcaggggag gatgagcggg agctggccgc agagatggca gcagcattcc 180
tcaatgaaaa cctccctgaa tccatctttg gagctcccaa ggctggcaat gggcagtggg 240
cctctgtgat ccgagtgatg aatcccattc aagggaacac actggacctt gtccagctgg 300
aacanaatga ggcagnttta gtgtggctgt gtgcaaggtt tccacactgg tgaagactgg 360
tntgtgctgg tgggtgtngn canaggacct ngntnctaaa accncgnntt tgggcaatgg 420
ggctttcgtc taattnttac aannttgntg accaatnggg gatnaactgg annttttgn 480
tcaanactnt tttggaataa tntccctnnt gcnattngcc ntatttcctg gggaanggtg 540
ttnatatngt natggnnaaa cntntanccg nnntntaatc ttggaatata tatnaatacc 600
ttcttaaaan ntgntnatta tcctt 625

<210> 392
<211> 266
<212> DNA
<213> Homo sapiens

<400> 392
ggtacccata ttgctaatgc taggatcaag ataccacata gccagaacaa gaagttgaag 60
gtaaacatag aatattttat acaggcactc acacctgcca tttcggaaaa ggattaggaa 120
tccagatgcc gtgaatttaa ctattcgtta caggcttgtc ctgcaatatg ctctggagca 180
acttgcctgc agagatttct gtatccacgg cttcagagca gaaagagaaa gcaaagaagt 240
agagggagga ataaaaatcc ccgcgt 266

<210> 393
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 393

ggtacttttt ttttttttt ttttttttt tggttttacc tgtttttatt ccttaaaaga 60
aaaaaacaac ttaaatgcat acatacagaa tagaatacac ttacttaagt tttgacagtg 120
aaaaaaaata attacaggtt agatatttaa tccaaggttt aacatgggga tgatctcata 180
aggcaatttc tttcctttaa taaatattaa agtgaatatt attctggaag caaatcatct 240
cctaattctt catcagcaaa atcatcctca tcgatccttt tcttggctgc agtttttggt 300
cgttctattt gagggccaag tgggtccaca taggaggcat ctatttcttt gntactgcta 360
ctttcataag gntcatttgt cccaggtaaa agctctgagt ctggccttan tccgtcaccc 420
tttactactg gcnctatagt ctggccacta tnaacgntag ccttnctttnt cnttttgnca 480
cnggagcccc caatgcannt ttngcntgac tttagcncng gnccctaatt cttcattttt 540
ccacctttna gnttttggca antcttgagc cnttttttaat cnaagacttn gcanagccaa 600
ttaaaaaccc c 611

<210> 394
<211> 340
<212> DNA
<213> Homo sapiens

<400> 394

acgagtccca ctatgcgctg cccctgggcc gcaagaaggg agccaagctg actcctgagg 60
aagaagagat tttaaacaaa aaacgatcta aaaaaattca gaagaaatat gatgaaagga 120
aaaagaatgc caaaatcagc agtctcctgg aggagcagtt ccagcagggc aagcttcttg 180
cgtgcatcgc ttcaaggccg ggacagtgtg gccgagcaga tggctatgtg ctagagggca 240
aagagttgga gttctatctt aggaaaatca aggcccgcaa aggcaaataa atccttgttt 300
tgtcttcacg caaaaaaaaa aaaaaaaaaa aaaaagtacc 340

<210> 395
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 395

acacatcttc aaagcacttc cctttaacgg gaaacttagc tttatgggat ttaaacatta 60
gaaagtggga aaaaaaattc cattttcttg tcattataaa ccaaaacaaa atctagtgta 120
agtcaaggaa actcattcac acttcaggtc cttctcctcc aggaaccagc attgttatat 180
tatttccatt tagcaaaatc tgatgtaatt tagtaatcct tcttccttct ggtgtgattt 240
caaactcagt gacatcttcc agtactttnt ttttttttnt ttttttttgg gtgttgagct 300
tggacgcttt cttaattggt ggctgctttt aggcctacta tgggtgttaa atttttactc 360
tctctacaag gnttttttcct agtggccaaa agaagctggt ccctcttttg gactaccgtt 420
aaaattacca nggggattta aaangggtnt tgngggccaa attnaaagtt ngactangan 480
tctatttttg gccaaccagt nttaaccagg cttcggtang gttggccgcc cccgggtacc 540
ttgggccggg aacacnc 557

<210> 396
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(617)
<223> n = A,T,C or G

<400> 396
ggtacngcgg ggccactcga gtgcgcaggc gcctggcgat taccggtctc accatggagc 60
ggaaagtgct tgcgctccag gcccgaaaga aaaggaccaa ggccaagaag gacaaagccc 120
aaaggaaatc tgaaactcag caccgaggct ctgctcccca ctctgagagt gatctaccag 180
agcaggaaga ggagattctg ggatctgatg atgatgagca agaagatcct aatgattatt 240
gtaaaggagg ttatcatctt gtgaaaattg gagatctatt caatgggaga taccatgtga 300
tccgaaagtt aggctgggga cacttttcaa cagtatggtt atcatgggat attcagggga 360
agaaatttgt ggcaatgaaa gtagttaaaa gtgctgaaca ttacacttga aaccagccta 420
gatgaaatcc ggttgcttga agtcagttcc aattcagacc ttatggatcc aaatngaaaa 480
atggttgtca actactagat gactttaaaa ttcaggagtt aatggaacac atatttgcat 540
gggatttgaa gttttggggc anattngtta agnggttctc aaatcaattn ttangggctt 600
tcctgccttg ggtnaaa 617

<210> 397
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(594)
<223> n = A,T,C or G

<400> 397
acgcggggga tcaggactcc tcagttcacc ttctcacaat gaggctccct gctcagctcc 60
tggggctgct aatgctctgg gtcccagggt ccagtgggga ccgtcgtggt gactcagtct 120
ccggtctccc tgcccgtcac ccttggacag ccggcctcca tctcctgcag gtctggtgaa 180
actctccttt acgaagatgg aagcacctac ttgagttggt ttcaccagag gccaggccaa 240
tctccgaggc gcctgattta taaagtttct aaccgggact ctggggtccc agacagattc 300
agcggcagtg ggtcaggcac ttatttcacg ctgaaaatca acagggtaga ggctgatgat 360
gttgggaatt attactgcat gccanggtca aactggcccg tcacttttcg gngaaggacn 420
aaaggtggcc natcaaacca actgnggctt gaccattggc ttcatnttcc cgccatttga 480
taaccantga aatctggact gctttgtggg ngcctgctga aaacttntat nccnanaggc 540
cnaagtcatg acagtttttc natttactcg aaaaatntgg aaatgataat tttn 594

<210> 398
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 398
acagtggtcc ttttcagagt tggacttcta gactcacctg ttctcactcc ctgttttaat 60

tcaacccagc catgcaatg caaataatag aattgctccc taccagcga acagggagga 120
gtctgtgcag tttctgacac ttgttgttga acatggctaa atacaatggg tatcgctgag 180
actaagttgt agaaattaac aaatgtgctg cttggttaaa atggctacac tcatctgact 240
cattctttat tctattttag ttggtttgta tcttgcctaa ggtgcgtagt ccaactcttg 300
gtattaccct cctaatagtc atactagtag tcatactccc tggtgtagtg tattctctaa 360
aagctttaaa tgtctgcatg cagccagcat tcaatagtga atggnctctc tttggctgga 420
attaccaaac tcagagaaat gnggcatcag gagaacatct taaccccatg aanggataaa 480
agccccaaat ggngggnact tgataatagc nctaatgctt taaanatttg gtccactttt 540
tacctaaggt gagcccattg aaccannggt gctaaangct catacttcca actgaaatgg 600
ttaaggaaaa a 611

<210> 399
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

<400> 399
actctgtgaa tggtgagagg ctgggcacct acatgggcca taccggagct gtgtggtgtg 60
tggacgctga ctgggacacc aagcatgtcc tcactggctc agctgacaac agctgtcgtc 120
tctgggactg tgaaacagga aagcagctgg cccttctcaa gaccaattcg gctgtccgga 180
cctgcggttt tgactttggg ggcaacatca tcatgttctc cacggacaag canatgggct 240
accagtgctt tgtgagcttt tttgacctgc gggatccgag ccagattgac aacaatgagc 300
cctacatgaa gatcccttgc aatgactcta aaatcaccag tgctgtttgg ggacccctng 360
gggagtgcat catnctggcc atgaaaagtg gagagctnaa ccagtattag tgccnnagtt 420
tnnanaaggt gttngttnaa tgttaaagga gcantttccg gnagaataac cnacnttcag 480
gttattccnn gganatgacc anngtttnga ccccttnnna gtccattaat nccnaacttt 540
tttacnctca aattttnaan tnanaaaact tttngnatna aattnttnaa ttanttgttc 600
tttttcaata tnnn 614

<210> 400
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 400
acttacactg tgaaatttta tgatggagta gttcagactg tcaaacatat tcatgtcaaa 60
gctttttcca aagatcaggc ctaaagaaac agatcacaaa agtctttcat catctcctga 120
taaacgagag aagtttaaag aacagagaaa agcaacagtg aatgtgaaga aagacaaaga 180
agataaaccc ttaaagacag aaaagcgacc caagcagcct gataaagaag gaaagttaat 240
ctgttctgaa aaggggaaag tgtcagagaa aagtcttccc aagaacgaga aggaagacaa 300
ggaaaacatt tccgaaaatg acagagagta ttctggagat gcccaagtgg ataagaaacc 360
tgaaaatgac attgtgaaga gtccacaaga aaacttgagg ggaaccnaaa ngaaaacgag 420
gcagaccccc ttccatagct nctactgctg gggattnaaa ctttaaactt tggcacccat 480

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acctttggac ttnnnanaag gaaaatttca nagggtgtga agtcctttaa accgtccttg     540
gttgncaaaa ntttttncng ggaaagtcaa aaacttcttt gaaaaccttg ccnangattt     600
ttnnggngac nt                                                         612

      <210> 401
      <211> 601
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(601)
      <223> n = A,T,C or G

      <400> 401
ggtacggtaa ctgactccag ggtcactcat actgtgtccg tggtaacggt aagtctgcag      60
ctccatcagg atgggcccct tcccagatct acaataggca gcagcaaacc ttgttgcctc     120
tcggacgcac aggatatcca ttccatccac tctcagccca ggaatgaaat cgcctctctt     180
gtagtaatca gtgctggctg ccgctctctc aacagacgtt cccattccat agcgattatt     240
ctcacagatg aaaatacaag gtaatttcca caaagctgcc atgttgtaag cttcgaatat     300
ctggccctgg ttagcagcac catcgccata taaagtcagg cagacctcat cttttccatt     360
atacttacag gctagagcaa tcccagcgcc caagggcacc tgcgctccta cgatgccatg     420
gccccgtana agtcttggca tacatgtgca tcgatcctcc ttcctttagc acaanctcct     480
tttgncctgt aactgcaaaa tttntcggac ggaaaggccc cggtgnaaag taaagccgtg     540
agcccggnag gctgngatna aanggcttgt ggggttnaag cccggcttca ggtcccacag     600
a                                                                     601

      <210> 402
      <211> 600
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(600)
      <223> n = A,T,C or G

      <400> 402
acctggagaa gatcaaacag cgactgtttg agaaccttag aatgctgccg cacgcacctg      60
gggtccaaat gcaggcgatt cctgaggacg ccatccctga ggagagtggc cgatgaggac     120
gaagacgacc ctgacaagcg catctcgatc tgctcctctg acaaacgaat tgcctgtgag     180
gaagagttct ccgattctga agaggaggga gagggggccc gcaagaactc ttccaacttc     240
aaaaaagcca agagagtcaa aacagaggat gaaaaagaga aagacccaga ggagaagaaa     300
gaagtcaccg aagaggagaa aaccaaggag gagaagccag aagccaaagg ggtcaaggag     360
gaggtcaagt tggcctgaat ggacctnttc agctctggct ttctgctgag tccctacgtt     420
ctttcccaac cccttaaatt tataatttct attctctggg gatttatata aaaatttatt     480
naatnttaat attcccaggg cccgaaacca agggcccgaa ctnaaggnaa ntttgcttgg     540
gtgagctntt tcaagaacca ccttgcaccc atttttccgt cttaacttta accaaaangg     600

      <210> 403
      <211> 604
      <212> DNA
      <213> Homo sapiens
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<220>
<221> misc_feature
<222> (1)...(604)
<223> n = A,T,C or G

<400> 403
actcagtgga tgacgagtgc ttggtgaaat tgttgaaagg cctgtgtctg aaatacctgg 60
gccgtgtcca ggaggccgag gagaatttta ggagcatctc tgccaatgaa aagaagatta 120
aatatgacca ctacttgatc ccaaacgccc tgctggagct ggccctgctg cttatggagc 180
aagacagaaa cgaagaggcc atcaaacttt tggaatctgc caagcaaaac tacaagaatt 240
actccatgga gtcaaggaca cactttcgaa tccaggcagc cacactccaa gccaagtctt 300
ccctagagaa cagcagcaga tccatggtct catcagtgtc cttgtagctt tgtgcagcag 360
ttccgggctg gaagacagag acagctggac agagctcctg aaaacatttc aaaaataccc 420
ccttcccctg gcctgccctg cctttggggt ccancggcac ttcagttgga tggcacaacc 480
tantgtatcc gtgcnnaaan cnaacctggc attttcaccc anntanccaa gggcttttgc 540
caagggnana acagtggagc ccttggcttg ncctataaac atacgggtac cttggccgnn 600
acnn 604

<210> 404
<211> 604
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(604)
<223> n = A,T,C or G

<400> 404
ggtactttgt ggataagaaa atggaggaac acatctgatg gagagtgggc atttgacaac 60
aatggaacag gtaaccagca tgtaaaatca aaatataagt gtctttttaa gagctgaaag 120
ctgctgctgg tcattcatta atgtgtcaga catttaatca ggatgctgga ccttcaaaat 180
aactgaaaaa agaaccaaga aaaggcgttt ttgttttcaa caaactttac taaataaccc 240
cggaaaggca atgaacgatc tgacaattta agctctaatg atttaaagct cagctagaag 300
aaagtgaggc atgacatata ctgtcaacgg agggtgaagg aggcagattt ctggaaatgc 360
aatgatccca cacatttgct tcaaggagaa acctgcagac atattttcag gtcttgctaa 420
gtaacaactg gttatttgta atcaatcatt tgggaaagtc tgctatgtag ctaanggcac 480
tgtgaccccn gacaacngat gaaaaggaaa aagcnttgac agcaggaaaa atccttccat 540
cttaaagaat ttaggggaca cctttaaagg aaaaaaattg ntccagcctc atttttacaa 600
ntnt 604

<210> 405
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 405

acttgcattt caaagcttaa aagatataaa tggagatttt aaagtagaaa taaatatgta 60
ttccatgttt ttaaaagatt actttctact ttgtgtttca cagacattga atatattaaa 120
ttattccata ttttcttttc agtgaaaaat tttttaaatg gaagactgtt ctaaaatcac 180
ttttttccct aatccaattt ttagagtggc tagtagtttc ttcatttgaa attgtaagca 240
tccggtcagt aagaatgccc atccagtttt ctatatttca tagtcaaagc cttgaaagca 300
tctacaaatc tctttttta ggttttgncc atagcatcag ttgatcctta ctaagttttc 360
atggggagac ttccttcatc acatcttatg ttgaaatcac tttctgtagt caaaggtata 420
ccaaaaccaa tttatcttga actaaattct aaagtatggg tatccaacca tatacatctg 480
ggtaccaaac ataaatgctg acattcntat attatagtna aggcttaatc nacttgcagg 540
tgaatggaaa aaaaataagc ttnaacctag gattctggaa tgaggaatgc tcn 593

<210> 406
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 406
actttttttt ttttttttt ttttttttg ggactgaatc ttgctctgtc gcccaggctg 60
gagtgcagtg gcgcaatctt ggctcactgc aacctctgcc tcctgggttc aagtggttct 120
catgcctcag cctcctgggt agctgggatt acagacaagc accaccacaa ccagctagtt 180
ttttttgttt tgttttttg agacggagtc tcgctctgtc accaggctgg agtgcagtgg 240
cacaatcttg gctcactgca acctctgcct cctgggttca agagattctc ctgcttcagc 300
ctnccaagta gctgggacta caggtgcaca ccatcacacc tggctaattt ttgtattttt 360
aagtanagac ggggtttcac catgttggcc aggctggtct caaactcctg acctcaagtg 420
aaccggccgc ttancctcca aagtgctggg attacaggcg tgagcccact ggcctggctg 480
accatttggt tattaacagg gcccccaana tgcnccttta ngtgaaaggg natggcccca 540
gggaacaatt nngctgaaaa acaccaaagg ccnantccat aattcnttgg n 591

<210> 407
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 407
ggtactgatt ttaaaaacta ataacttaaa actgccacac gcaaaaaaga aaaccaaagt 60
ggtccacaaa acattctcct ttccttctga aggttttacg atgcattgtt atcattaacc 120
agtcttttac tactaaactt aaatggccaa ttgaaacaaa cagttctgag accgttcttc 180
caccactgat taagagtggg gtggcaggta ttagggataa tattcattta gccttctgag 240
ctttctgggc agacttggtg accttgccag ctccagcagc cttcttgtcc actgctttga 300
tgacacccac cgcaactgtc tgtctcatat cacgaacagc aaagcgaccc aaaggtggat 360
agtctgagaa gctctcaaca cacatgggct tgccaggaac catatcaaca atggcagcat 420
caccagactt caagaattta nggccatctt tcccgggtac ctg 463

<210> 408
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(588)
<223> n = A,T,C or G

<400> 408
acaaatatat ataacttaca tttgattgta aggccaacgt tcaaaagtaa aaatgagatg 60
agctctctta ttgttatccg aggtcaagag gctgcaactg tcaaggggat gttctcacca 120
aaaggggttt tgggggaaga ggacacacac aaagctaata aaaccagaat ccccatcccc 180
acaaaactca tgggaacaaa atttaaagga taaaacaaaa cccaccaaga cccatattac 240
aaaccaatat ggtaacctgt gttcccttct atggtatgat tatgtcatgt taccttagtg 300
ttaaaagatt aacataagga aactgcagca atatataaaa gatatattct ctatagagca 360
tatttcgatt gattccatta aaataatgac attagaattc catcatangg ttaaaaccag 420
gacaatactg nttttncttt atttaaaaaa aactaccacc taatgactgn attggtcata 480
acctgaatgg tgtgcaatgg gctcttccat gaatggctgg cngaaacaag cttgggncct 540
gcttgagttt cagctttcct ctttaattta gtngctcaat gataaaca 588

<210> 409
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 409
ggtacaaaga tctgacatgt cacccaggga cccatttcac ccacngctct gtttggccgc 60
cagtcttttg tctctctctt cagcaatggt gaggcggata ccctttcctc ggggaagaga 120
aatccatggt ttgttgccct tgccaataac aaaaatgttg gaaagtcgag tggcaaagct 180
gttgccattg gcatctttca cgtgaaccac gtcaaaagat ccagggtgcc tctctctgtt 240
ggtgatcaca ccaatttttc taggttagca cctncagtca ccatacacag ggtaccagtg 300
tcnaacttga tgaaaatcaa gtaatcntgg ccagtctcta aaatcaaatc ttgaatggta 360
tcaattcacc cttgatgaag gggaatcggg ggtaacccgg atgggtgccg ggccttnatg 420
aagtcancca natgaaggga ttcctttggg gcccccaaag aacttttttn attttcacaa 480
cttgnacctt gcccggcggg ccgttcaaaa gggcnaattc cagncacttg gnggccgtct 540
aanggatcca actcggacca acttggcgna anatggcaaa ctggttcctg gggaaatggt 600
atccctccaa tn 612

<210> 410
<211> 353
<212> DNA
<213> Homo sapiens

<400> 410
acgcggaagc agtggtaaca acgcagagta acgcgggatg gcacatgcag cacaagtagg 60
tctacaagac gctacttccc ctatcataga agagcttatc acctttcatg atcacgccct 120

cataatcatt ttccttatcc gcttcctagt cctgtatgcc cttttcctta cactcacaac 180
aaaactaact aatactaaca tctcagacgc tcaggaaata gaaaccgtct gaactatcct 240
gcccgccatc atcctagtcc tcatcgccct cccatcccta cgcatccttt acataacaga 300
cgaggtcaac gatccctccc ttaccatcaa atcaattggc caccaatggt acc 353

<210> 411
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 411
ggtacgcggg gagagaaacc tggctttact atggcggttg gaggaacggc agtgatcaca 60
cgtcggctgc tgggaagatc tggattctcg tttcaggtca ccatcagaaa agctaagttt 120
gctgtatagt gaggatcagg agatctgatc ctgattgcag aaccttccct gattacagaa 180
tcttgggttg tatctcccac ttcacccttc tagaccatcc cagaagatct ataagatttc 240
atctgggaaa tcactaggag ttcttggaag ggaaagaagg aagattgttg gttggaataa 300
aaacagggtt gaatgagttc cagaaagcnn ggttctcaac ctcgtggaca gcaatctgca 360
gaagangaga acttcaaaaa accnactana agcancttgc anagaagtaa aatgagaagg 420
ggncttctna ngaaagaaga cacttggncc acagcagaaa aaactttgac cnantnttnc 480
caggaagana gggggggtcc cnctttttaaa naacccccctt taagatncng gnggaanacc 540
tcanngacca nccntaaatt nnggaaaccg aaaaggggcn gtccttttttg ntnncagntg 600
cnccnttaan nt 612

<210> 412
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 412
acgcggggct ctctcgccag gcgtcctcgt ggaagtgaca tcgtctttaa accctgcgtg 60
gcaatccctg acgcaccgcc gtgatgccca gggaagacag ggcgacctgg aagtccaact 120
acttccttaa gatcatccaa ctattggatg attatccgaa atgtttcatt gtgggagcag 180
acaatgtggg ctccaagcag atgcagcaga tccgcatgtc ccttcgcggg aaggctgtgg 240
tgctgatggg caagaacacc atgatgcgca aggccatccg agggcacctg gaaaacaacc 300
cagctctgga gaaactgctg cctcatatcc gggggaatgt gggctttgtg ttcaccaagg 360
aggacctcac tgagatcagg gacatgttgc tggccaatna ggtgcccagc tgctgcccgt 420
gctggtgccc atttgcccat gtgaangtca cttgtgccca gcccaaaaca cttgtcttng 480
ggcccganaa gaacttcttt tttccaggcn ttaaaatatt caccccttaa antttcaagg 540
ggccccattt gaaatcctgg annatnngca ttgatcaana ttganacaaa gtggnancnt 600
ccaaccc 607

<210> 413
<211> 606

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 413
acaggtcaga gtcttctttt cttttctttt tgagatggag tcttgctctg ttgccagact 60
ggagtgcagt ggtgcgatct gggctcactg caatctccac ctcccgggtt caagcgattc 120
tcctgcctca gcctcccgag taactgggac tacaggtgtg cgccaccaag cccagctcat 180
ttttgtattt ttagtagaga tggggtttca cgatgttggc taggatggtc tcgatctctg 240
gtcagagtct tttctgtaaa tatccttggt aaagaagcaa ttttagactg tagctgttgc 300
aaatgcttta aggaagaagc anaacaactg tcagtcttcc tgaaatgaag aaactacacc 360
agggctgcta tatcagagca accccaacca gcactccaat catgatgccc gacagtggcc 420
ccagcttgag aaccagagaa gttccagatg cagagactgt gagctcntga ctatgggaat 480
tttngnggcn ntaacccaan tttgagacna aacnaggcct tngncccggt tttnatttgg 540
gngggatttt gcggataaan aaacttgnng gggntnctgc ggnatccatg gaacnccaaa 600
anatng 606

<210> 414
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = A,T,C or G

<400> 414
ggtacttttt ttttttttt ttttttttg tagatgaggt ctcgctatgt tgcccaggct 60
ggagtgcagt tattcacagg tgcaaccaca gggcactgca gctttaaact cctgggctca 120
agcgatcctc ctgcctcagc ctcccaaata gttgggacta gatgcacgca cnaccacgcc 180
tgactcagga cattattctt aaaggtatta tccaggaaac agataaggtc attcataaaa 240
cacacggntt ttttctttag ctcagtgtta acaatgaaag tagattccac tattgaagca 300
caagttgcaa attggtaaca tagngaacat attgntgtag gaaagggggt tcagtgtgnt 360
gtgttatatn agcncttgaa ctttttatgg gngtnataag ccnngttatc ttgncccaaa 420
gaaannccat tttnaggatt ngatggtttt cttannggaa nannctnggg ggnattntgt 480
ngggcatgaa cttttatgtn ggaatcagtc ccatanaggt aaggggtttn aatcccaaaa 540
ancggggnct tttatgggaa atnnccttta cttcaaaggc caaanngatn gtnggtgtca 600
cttcnaantt ccngannnca anng 624

<210> 415
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 415
acgcgggtta caacggaagt aaaatctgtc gaaatgcacc atgaagcttt gagtgaagct 60
cttcctgggg acaatgtggg cttcaatgtc aagaatgtgt ctgtcaagga tgttcgtcgt 120
ggcaacngtt gctggtgaca gcaaaaatga cccaccaatg gaagcagctg gcttcactgc 180
tcaggtgatt atcctgaacc atccaggcca aataagcgcc ggctatgccc ctgtattgga 240
ttgccacacg gctcacattg catgcaagtt tgctgagctg aaggaaaaga ttgatcgccg 300
ntctggtaaa aagctggaag aaggccctaa attcttgaag tctggtgatg ctgccattgt 360
tgatatgggt cctggcaagc ccatgtgttg ttgagagctt tctcagacta tccacctttg 420
ggtngctttg ctggtcgtga natgagacag acaggtgccn gtggggtggc atcaanncat 480
gggacaanaa aggcttnttg gancttgcaa aggtncncaa nttttgncca naagcntcaa 540
aagntaattg aatttttccc ctannncctg cncccncttt tannanggnn ggaaaacggc 600
ttaaannnt 609

<210> 416
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 416
ggtacgagct gattgggaac gggctccaat ggacatggct ctgcagtcaa aatagttagc 60
agatggacag gtttggaaaa tgtgagggcc catatcatca tanccagcaa taaggagacc 120
aacaccatat ggtctccggc catatccgtt gtgttggtat ctgggtcttg cttccaatta 180
gagatacaag actgagacac aggcagtggt ctatcgaata caaatctgga atncaaacac 240
tcctgacgca taaaattaca taacagncta gcatnancag taagcccccg caattgagat 300
accaatatgg ttgtcaacat ggagaatttt tttctgatga cctgccaact cttgatttgc 360
gccctttca atgcnaaccc aaaactggca tgaagntttt gnatttcaga ccancctgnt 420
ggctgnacct tggcttaaca ggtttccatt ggcntatttc natttggatn aantcttgcc 480
cntgggggn ttcnaancta ggggccatca nttggtcaaa ctgntttnta aaccatgggg 540
gcnggctcng gccttggttg ctggcntcaa caaaaan 577

<210> 417
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 417
ggtactaaga atattagaga actggaaatc cagtttttt gtggtttttt aagaaagaga 60
atctgactcc attgcccagc ttggagagca gtggtgcaat agctggggct acaggcgtga 120
gccaccacac caggcctgga aacccagttt taatttgtga actacaaatg gttggcaact 180
gattccttaa ttgttattgc aggagtaggc ccaacatgag tccatatgta gtccttctct 240
ggtctggtgg gaactgtggg aaatggtgat gaccgtgact tgaaatactn agaaggtgca 300
tgacaaacaa attccaagta ttccatcttc cttggaagat cttcctctgg ccctatgata 360

taggaagcng gaatcaaatt tgggctcttg ggctaagant aggggtatgg aatgagcccc 420
cgtnaantgg cttgnacttc ttcttcgcta atactgggcc ctggattaaa acctttgat 480
ttnancnata gntagggctt tccttcttgg ttaatcaatt cccagaaacc aacattccca 540
atttgggtaa natactccct tgtanaaaaa 570

<210> 418
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 418
ggtacttcta cacatctgcc taacttggga atgaatgtgg gagaaaatcg ctgctgctga 60
gatggactcc agaagaagaa actgtttctc caggcgactt tgaacccatt ttttggcagt 120
gttcatatta ttaaactagt caaaaatgct aaaataattt gggagaaaat attttttaag 180
tagtgttata gtttcatgtt tatcttttat tatgttttgt gaagttgtgt cttttcacta 240
attacctata ctatgccaat atttccttat atctatccat aacatttata ctacatttgt 300
aagagaatat gcacgtgaaa cttaacactt tataaggtaa aaatgaggtt tccaagattt 360
aataatctga tncagttctt gntatttccc aatagaatgg gactnngnnc tgttaanggc 420
ttaagganaa agggaagata agggttaaaa gttggttaat ggacccaacc ntttnaaaga 480
aatgcnntan anaatanttt natgantaaa naaaggtncc tngcccnggc cggccgtttt 540
aaangggcca atttcnagca cnctnggcgg 570

<210> 419
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

<400> 419
ggtacacctt tgactacagc tgcagaagtg ttcctttaga caaagttgtg acccatttta 60
ctctggataa gggcagaaac ggttcacatt ccattatttg taaagttacc tgctgttagc 120
tttcattatt tttgctacac tcattttatt tgnatttaaa tgttttangc aacctaagaa 180
caaatgtaaa agtaaagatg caggaaaaat gaattgcttg gtattcatta cttcatgtat 240
atcaagcaca gcagtaaaac aaaaacccat gtatttnact ttttttagg atttttgct 300
ttctgtgatt tttcttnttt tttgatactt gcctaacatg catgtgctgt anaantnagt 360
taaccaggga aataaccttg ngatnatggc ctanctttta gtttangtct tatgaanttt 420
tcattgacca attctaanca ataatggttt annaacaccg tgntntnaaa atttctggta 480
anttggaaat aaaaggtttn nttgaaatgg gccttttcca cnnactttnt ttnncagctn 540
tttcttggna aataagccct nggttcctga aacc 574

<210> 420
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(573)
<223> n = A,T,C or G

<400> 420
acctccggta gaattcggtg aatccatctg gtcctggact ctttttggtt ggtaaactat 60
tgattattgc cacaatttca gctcctgtta ttggtctatt cagagattca acttcttcct 120
ggtttagtct tgggagagtg tatgtgtcga ggaatttatc catttcttct agattttcta 180
gtttatttgc gtagaggtgt ttgtagtatt ctctgatggt agtttgtatt tctgtgggat 240
cggtggtgat atccccttta tcatttttta ttgngtctat ttgattcttc tctcttttt 300
tatntagtct tgctagcagt ctatcaattt ntgtngatcc ttttcanaaa aacccngctc 360
ctggaattca tttaatnttt tnaaggggtt ttttngtggc ctctaatttc cttcaagttc 420
tggctctgat ttaagttaat atncctggct ttttggctac nttttgnaan gnggttggcn 480
cntgnnttt ctanntcctn ttnaantggg gatngnttnn aangcccatt ttnggaannt 540
tcccgctttn ntttgggggg catttangtt nnn 573

<210> 421
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 421
ggtacgcggg ggtccgccat ttcgtggacg ccgggtgagt gagagagttg gttggtgttg 60
ggccggagga aagcgggaag actcatcgga gcgtgtggat ttgagccgcc gcatttttta 120
accctagatc tcgaaatgca tcgtgatttc tgtccattgg actgtaaggt ttatgtaggc 180
aatcttggaa acaatggcaa caagacggaa ttggaacggg cttttggcta ctatggacca 240
ctccgaagtg tgtgggttgn tagaaaccca cccngctttg cttttgntga atttgaagat 300
ccccgagatg canctgatgc aatccgagag ctanattngn angaacacta tgtggcctgc 360
ccgtgtnagg aattggaact ggccgnaatg gttgaaanaa agaangttcg aaaattcgtg 420
gncctncntt ccttttggng gtcgtcngnc cttnagaatg attaatcgnn nggaaggang 480
tccttccncc ttnncccnan antttncant aaangaanaa agctttttt ngcaacccgn 540
aancaggtcc ctttttttag attggganaa atagnngagn tc 582

<210> 422
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 422
ggtactctga ggctttagat tcagtttggg tctttggggg ggacctctat catcacgcct 60
ataatcatcc cgagagtaat catctctgga gctccacgac cgatcatccc gtctgtcata 120

tcggtcttca tagcggtccc cgcctcctct gtagtcatca tccctgcgat acccactgcc 180
aaatgctctt ctgccactgc ctatccggga atcatagcct ctatcatagt ctctgctgcc 240
tcggtcatca tagcgatccc ggccaccata tcgatccata tcccggcgtg ggccatccga 300
tacccatccc gatacccatc ccgataccgg ctgaatcata acgatctcga tacttgnctc 360
caaagctatc atcacctctt ctaggtgggt aagtcatcaa agctgtctgg tagcaaggac 420
gaagcccttc aagtctggat ctggtttggg cagaatnccc atttttatca cnggccaaaa 480
gnaacgaatc atccctnggc tttaaccnng ngcttgatcn agcaacgtcc acntcgaaat 540
tntcctngtt acctananaa ctcttcattg 570

<210> 423
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(584)
<223> n = A,T,C or G

<400> 423
acccgggtgg ttaaacttcg canaatgcct agatattatc ctactgaaga tttgcctnga 60
aagctgttga nccacggcaa aaaacccttc agtcagcacg tgagaaaact gcgagccanc 120
attacccncg ggaccattct gatcatcctc actggacgcc acaggggcan gagggtggtt 180
ttnctgaagc agctggctag tggcttatta cttgtgactg gacctctggt cctnaatcga 240
gttcctctac naagaacaca ccaataaatt tgtcattgcc acttcaacca anantcngat 300
atcagcaatg taaaaatncc aaancatctt actgatgctt actttaagaa gangaagctg 360
cngaagccca anacancnng gaaggtgaga tctttcgaca canaagtatg agaanttatg 420
agatttacgg agcaangcan ggattgatca nganaagctt ngggcctcac caaatttttn 480
nccaanannt tcaaagttta ttttcntnag tttcnnnggg cttncttgcn antctggggn 540
tggctttgnc ctaatgggaa tttattnctc ccaaaaatgg nggn 584

<210> 424
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

<400> 424
actcttggtt tgtcaatggg actttccagc aatccaccca agagctcttt atccccaaca 60
tcactgtgaa taatagtgga tcctatacgt gccaagccca taactcagac actggcctca 120
ataggaccac agtcacgacg atcacagtct atgcagagcc acccaaaccc ttcatcacca 180
gcaacaactc caaccccgtg gaggatgagg atgctgtagc cttaacctgt gaacctgaga 240
ttcagaacac aacctacctg tggtgggtaa ataatcagag cctcccggtc agtcccaggc 300
tgcagctgtc caatgacaac gggaccctca ctctactcag tgtcacaagg aatgatgtag 360
gaccctatga gtgtggaatc cagaacgaat taagtgttga ccacagcgac ccagtcattc 420
tggaatgncc tctatggncc aaacgaaccc caccatttcc cctnatacac taattaccgn 480
ccaggggtga accttaagct tttctggcat gcagccttta cccacctggc acagtattct 540
tggctgn 547

<210> 425
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 425
ggtaccatcc tttaatagat ctcatacacc agaattcaga tcatgaatga ctgacagaat 60
attttgttgg gcagtcctga tttaaaacta agactggctt gtggttaaat gaatatgttc 120
agtttttgaa ttttaatagt aactccaatt cagtaaatgg tatcactgtt tacccctttt 180
aaagatatga ttagacttcg ttagtaatgt tcaacttttc acaaagatgg tgagtgccat 240
cttaaaactt actggagatt ggctttatat ttagatttat ataactggtt atgtgaatat 300
atttaaatac tggggaaatt gcttcactgt cttagaacca agcaagattc acctgtgttt 360
tgtgttcatg ttcatttgcc tcttaaaggc aaggggttga agataaataa ggtagcaatg 420
tctatagttt tggccttaac ctatgccaat cctaattata attccctgga nttnaaaang 480
gttnctttta ccttatttgg aanggcnttt taaatngngg gttnntgggn naatatttaa 540
aggattattc acccctttca catnttn 567

<210> 426
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G

<400> 426
ggtacaattt gttcaaggaa tttttgtaga aaaatacgat cctacgatag aagattctta 60
tagaaagcaa gttgaagtag atgcacaaca gtgtatgctt gaaatcttgg atactgcagg 120
aacggagcaa tttacagcaa tgagggattt atacatgaaa aatggacaag gatttgcatt 180
agtttattcc atcacagcac agtccacatt taacgattta caagacctga gagaacagat 240
tcttcgagtt aaagacactg atgatgttcc aatgattctt gttggtaata agtgtgactt 300
ggaagatgaa agagttgtag ggaaggaaca aggtcaaaat ctagcaagac aatggaacaa 360
ctgtgcattc ttagaatctt ctgnaaaatc aaaaataaat ggtaatgaga atttttttatg 420
acctantgcg gcaaattacc ggaaaaactt ccngngcctg ggaaggctng gcaaaaggcc 480
ttcatggtca gntgcttaat tatnctaaat gccntgganc ttttgaccag gntctgaana 540
actgttgncc aattcaacag ggg 563

<210> 427
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 427
ggtacttttt ttttttttt ttttttttt tttttgttaa aaaccataca tccttttttat 60
tgntaagtca taaagaggta tcaaaattaa aagcaaaaat tacagggtaa gacttaacaa 120
aactactagg agcgtcaaag gaagtgaaaa tgggactagg cgcggggcaa tatgaattaa 180
tgaacatggg aaggacaagg atgggganaa cggtgagcat gtgctgaana tactagggga 240
gaggatctgg tgaaaaattt gatcttanac aagcgcctag gtaaagaaat aatgggataa 300
gatttctaaa ccccactatg gagcttaaga gtcatcctng ccattggcgc tgtctctgnc 360
atcctctcct tcctcaagnc tctttttcat catnctttga tccaattcca gctgggcaat 420
tcccccgatc tttnattatc atcatcattc cantanggnn cccnttctta ggaannngntn 480
ttttggnccc cccttaanat ttcaatttcc cttnnnccca ttttttttan ggagnttgtg 540
gcnntggccc ttttnggntt aaaaatn 567

<210> 428
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 428
ggtaccctat gaacctgact ctgtggtcat ggcagaagct cctcctgggg tagagacaga 60
tcttattgat gttggatnca cagatgatgt gaagaaagga ggccctggaa gaggagggag 120
tggtggcttc acagcaccag ttggtggacc tgatggaacg gtgccaatgc ccatgcccat 180
gcccatgcct atgccatctg naaatacngc ctttctcata tccactgcca aagggaccat 240
canatttcaa tggactgcca atggggacct atcaggcctt tnccaatatt catccacctt 300
cagataccag cnactccccc atcgnatgaa tctgnanatg acattaatgc tgataatgaa 360
tatctctttn tgcacanatt gttggtcctg gaccccagcc aanaancctt tgcaaanctt 420
nctttccaga cctggaggat tacttatnga caccnttgtc cctaaccaga agttgnccat 480
ttgngcccng aacancactt tcccaactgg canttngctg gatcccagnn ccttcnggat 540
ttggaanaac nttggctttt gatggatttt ttccccgg 578

<210> 429
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

<400> 429
ggtaccaaga gtttgctcct ggctgctttg atgtcagtgc tgctactcca cctctgcggc 60
gaatcagaag cagcaagcaa ctttgactgc tgtcttggat acacagaccg tattcttcat 120
cctaaattta ttgtgggctt cacacggcag ctggccaatg aaggctgtga catcaatgct 180
atcatctttc acacaaagaa aaagttgtct gtgtgcgcaa atccaaaaca gacttgggtg 240
aaatatattg tgcgtctcct cagtaaaaaa gtnaagaaca tgtaaaaact gtggcttttt 300
ctggaatgga attggacata gcccangaac agaaagaacc ttgctgggct ggaggtttca 360
cttgcacatc atggaagggt ttagtgctta atctaatttg ggcctcactg gacttngncc 420

atttaatgaa gttnantcat tattgnnatc atagtttgct ttgtttnaan ccttnncatt 480
taaagttaaa actggaattt nanggtaatt tnaacttgta nggtttcctg ggtttagctt 540
tttaaatcnt aatttttcca taagcntttt tg 572

<210> 430
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 430
ggtacagccc aggtaatttg ctgagcctaa tgggtgtcag ggtcagtcta agtgaaggca 60
aagagaggct gggatgaagg gtgcaaagga atagtaaaga aagcatgttt gagatccana 120
acagaataat gggtagtaga gggaggtatt gaggatagaa nagtatatgg gtttggcacc 180
acggggtgga taggcaaaac atttggttga taangcgcag attctgaact aacttgtaag 240
gcttgtctgg ttttaggaca ggtaaaatgg nggaatggta aggagaagtt tataggtttt 300
atgagcccat gctgtancan gcaagtgata actngctttt aatccctttt cnaaagcaat 360
gcctggngnt atgaagnata tttggcattt gatcngggtt tnaanggntg attagngttn 420
ctantgaaca atngnaaagg ggntgccatg atcngtnncc caaggatgng attttanggn 480
antctcntac ttgtggggtt naagggtggn gggnttttac naggnggggtc cccnaagggn 540
gcctnttggn tntangnaat aaanggccng nnaatngana atccnnnttn n 591

<210> 431
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G

<400> 431
accagtgatg ttttgataca agcatataat gtttaatgat caagtcagga taaatggggt 60
atccatcacc tcaagcacat ataatcattt ctttgtatta ggcatattca aattccactc 120
ttttagttat ttttaaatat ccagtaaatt agatcttatt cattctatct agatgtattt 180
ttgtacttta tttttctcaa atatttttac ttatgctttt tgtcattatc cacagtgttt 240
ttttttaaag cctgagccac tttgtggttt cagcctcaat ataataatca tccccttact 300
cttagactaa ttccttttcc cctgncactt tgcctgtata ctctgtaaaa atgangacct 360
tagaaaatca acatttcctg gtgaactttg agagactatt acaagcagtg cccaaaacag 420
tangaataag gcaggtaaaa ccagttggga tagccagatn tattattgat ctggtnggac 480
aaanggataa nttggngggc atggtttcca nggcantcgn gaattcccca ttagctttaa 540
gggtcnatnn angntggccc anggg 565

<210> 432
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 432
acgcgggggc caccgtggag agcagagcgc ggcggctgga agctgctaag tcagagccgc 60
gatgttccgg attgagggcc tcgcaccgaa gctggacccg gaggagatga aacggaagat 120
gcgcgaggat atgatctcct ccatacggaa ctttctcatc tacgtggccc tcctgcgagt 180
cactccattt atcttaaaga aattggacag catatgaaga caggacatca catatgaatg 240
caccgatatg aagagcctgg ttacagtttc gactcctctc tgnaagtgaa taggcccaga 300
aaggtgtaag agactctttg aatggacata aaattctgct tgttnagaac caagttttgg 360
ntctgggtna ctgacctttc aaaagctaaa attttaaaac tattttgggg aagtttttta 420
tttnnntatt nntcngtttn ttnataaaaa agtaccttgg tnccggnacc acccnttaag 480
ggccnaattn cagncnncnt ngngggccgn ttactttnng ggatncntaa nttcggganc 540
cnaancttgg ggggtaantc angggtcata nnctggtt 578

<210> 433
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G

<400> 433
acttcttctg gccaaaggct gttccacatt cactacattt aaaaggcttc tctccaatat 60
ggattttctc atgctcagta aggttggatt tgccactgaa ggtttttcca cactccttac 120
atacaaaggg cttctctcct gtgtgagttc tctggtgtct gatgaggttt gacttctgaa 180
tgaaagcttt cccgcaatct ttacactcaa aaggtttttc tccagtgtga attttctggt 240
gcgtaaggag gttttccttc tggctaaatg attttccaca ttcattacat tcgaaaagct 300
tctcgccagt atgggtgttc tgatgtttaa tgacatactg cttttggcta aaggctttc 360
cacactcgtt acattcaaaa gggttctctc tccgtgtgaa aatgctcatg ctcantgang 420
tttgaattgn nggcttgaag acttttccca tacccttaca ggcaaanggg gttttccccn 480
ttggaanatn tntggctgcn tnaagntggt gacatctgga tnggaaacct tttccncatt 540
tccaaaggnn ttttttcnn nag 563

<210> 434
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G

<400> 434
ggtacagctg tctgcattga aaattcatgc atggagaaag ggagtaagca agggagaaac 60
ggtgcgattc acatattccg cgagatcatc aagccagcag agaaatccct ccatgaaaag 120
ttaaaacaag ataagcgctt tagcaccttc ctcagcctac ttgaagctgc agacttgaaa 180

gagctcctga cacaacctgg agactggaca ttatttgtgc caaccaatga tgcttttaag 240
ggaatgacta gtgaagaaaa agaaattctg atcgggacaa aaatgctctt caaaacatca 300
ttctttatca cctgacacca ggagttttca ttggaaaagg atttgaacct ggtgttacta 360
acatttaaa gaccacacaa ggaaacaaaa tcttttcttg aaagaaagta aatngatcca 420
cttctggtga atgaatttga aattcaaagg aatctggcct tcatgccanc aaatgggggt 480
aattcatgnt ggagaataac ctcctttatc cagccgnaca cacctgttgg aaatggatcc 540
aactgctgga aattncttaa taa 563

<210> 435
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 435
ggtacgcggg ggaagatggc ggccgtgcag gcggccgagg tgaaagtgga tggcagcgag 60
ccgaaactga gcaagaatga gctgaagaga cgcctgaaag ctgagaagaa agtagcagag 120
aaggaggcca aacagaaaga gctcagtgag aaacagctaa gccaagccac tgctgctgcc 180
accaaccaca ccactgataa tggtgtgggt cctgaggaag agagcgtgga cccaaatcaa 240
tactacaaaa tccgcagtca agcaattcat cagctgaagg tcaatgggga agacccatac 300
ccacacaagt tccatgtaga catctcactc actgacttca tccaaaaata taagtcacct 360
gcagcctggg gatcacctga ctgacatcac cttaaaggtg gcaggtagga tccttccaaa 420
agancttntg ggggaaactn antcttctnt tgaactttca aggaaanggg tgaagtttgc 480
agtcatgggc caattccaga aattttaaat cagnagaaga atttttccta ttaataccaa 540
ctgggtcggg ggagactn 558

<210> 436
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 436
ggtacaaaaa aaaccttaca taaattaaga atgaatacat ttacaggcgt aaatgcaaac 60
cgcttccaac tcaaagcaag taacagccca cgatgttctg gccaaagaca tcagctaaga 120
aaggaaactg ggtcctacgg cttggacttt ccaaccctga cagacccgca agacaaaaca 180
actggttctt gccagcctct agagaaatcc cagaacactc agccctgaca cgttaatacc 240
aaggggaaca gttaactcca atacaaggtc aaaatcagca acaagttcta caatccagtg 300
ctgatatcag atacaaagct tcaagggcaa tttcttttcg aaggcttatt ccagtttcgt 360
gaggctagca tgaagtgtgt gcatttgcca ggggcaaatt tctattctca attaacccat 420
gcagcaaant gctacgcatc tggctgagtc cggtttanaa nccatttgcc ggnggaccaa 480
tggaaggggc ccgaattcgt cnnaacttgn cccgggcggg ccgttcaa 528

<210> 437
<211> 576

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G

<400> 437
actttttttt ttttttttt ttttttttt aggtttgagg gggaatgctg ganattgtaa 60
tgggtatgga gacatgtcat ataagtaatg ctagggtgag tggtaggaag ttttttcata 120
ggaggtgtat gggttggtcg tagcggaatc gggggtatgc tgttcgaatt cataagaaca 180
gggaggttag aantagggtc ttggtgacaa aatatgttgt gtagagttca gggganagtg 240
cgtcatangt tgttcctagg aanattgtac nggtgagggt tgtttattat aataatgttn 300
gggtatccgg ctntgaaana atngggccaa ngggcctgcg gtgtattcga ngttnaaacc 360
tgagactagt tcggactccc ntttgcaagg ncccaaaggg ggttnggttt ggcccttgct 420
annggtgnga naataaatcn tntttattgg cccaagggtt cttaacngcn aggagtnaat 480
ccaaaggggt ncntnggntt ttnnnanaaa nggttgnnaa aaggttaaag ggacccncct 540
ttntnnntaa tgntcgnaat gtcaaatnga tngcnn 576

<210> 438
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G

<400> 438
ggtaccccaa ttaccagtat ggtggaccct accccttctt ctctgcattg ggaaacagaa 60
cagagaacag aaaaaatcat tccatcttgc tcttaactct ttccacctat gtgctcagtt 120
tttcaagtag aatttctatt cctttgctgg tgcttttggt tttttccaat gtaggaatca 180
agcttttcag tgcagctttg actttgtttg caacttccag gtcacaactc tggaggaggc 240
tagaaagaat aatggcacct cgatttacac tagcccagga cttcaggttc ttcataccaa 300
catgctctac aagtgttttt gcaaaacaac cttctcttcc attntctttt catcttttta 360
tcttgctcta ttaaccactt nagaaactaa gaatgtccct gcaaggatgt tctggcaatg 420
ntgaaagctt ctccgtcctt ggccaccagg atgcaagtcc ntggttnttg ccagcttggc 480
cnatnggcat tccatnggna nggcttgaac cgttttccag ggggcagant cccaaaatgg 540
ccngacacca acccnacang cagacttntt ttagcn 576

<210> 439
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 439

cgaggtacgc gggggagaaa aaacctgcgg aaaatggtag cgatggcggc tgggccgagt 60
gggtgtctgg tgccggcgtt tgggctacgg ttgttgttgg cgactgtgct tcaagcggtg 120
tctgcttttg gggcagagtt ttcatcggag gcatgcagag agttaggctt ttctagcaac 180
ttgctttgca gctcttgtga tcttctcgga cagttcaacc tgcttcagct ggatcctgat 240
tgcagaggat gctgtcagga ggaagcacaa tttgaaacca aaaagctgta tgcaggagct 300
attcttgaag tttgnggatg aaaattggga aggttccctn aagtccaanc ttttgttang 360
agtgataaaa cccaaactgt tcagaaggac tgccaaatna aagtatgtnn cgtggtttca 420
aaccntgaat taaaaggctt ttngaccaac atngggnaca attgcttgan nacttgtcca 480
tttcttaaaa ttgggaacnc tggaccnggt nanaaanatt tcngattgga aaantttgga 540
ccncatttta aatcttgctt aaattttggc caatcctt 578

<210> 440
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(573)
<223> n = A,T,C or G

<400> 440
ggtacttttt ttttttttg agacagggtc ttgccctgtc acccaggctc gagtgcactg 60
gagtgatcac agctcactgg cctcaagtga tcctcctgcc ttggcccctt aagtgccagg 120
gttacaggca tgagctacca tgcctggcag aaattcaaga tttggataaa cttacttctt 180
tgccaagcct gttcttcaag ttattcagaa ctgggtgtat accttgtcct catatgtatc 240
ttgtccctgc tgtcttttag gttagcaagg tgtatgaata cttttaagtt ttgtttgttc 300
ttttcctcgt ggtatcaagt gaaatactga tctattctct ggctagggtc aatttacaaa 360
attgccatgg aactgagcca aaaggcccca cgtgggataa aaattnctta ccatcgacgc 420
ccanccgtan tttttcaagg tattggcttt tggaagnttt accaaatttc nggtaaacca 480
aaattcnaaa agnaaaaaat tnccctggng taaccttgcc cgggcggccg ttcaaaaggg 540
cnaatttcca ncacattggg cggccgttaa tna 573

<210> 441
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

<400> 441
ggtacaaaat tttattaaag gtctttagag agcaacatcc agactccaga atacagctgc 60
caaggagacc ctgttatgct gtggggactg gctggggcat ggcaggcggc tctggcttcc 120
caccttctg ttctgagatg ggggtggtgg gcagtatctc atctttgggt tccacaatgc 180
tcacgtggtc aggcaggggc ttcttagggc caatcttacc agttgggtcc cagggcagca 240
tgatcttcac cttgatgccc agcacaccct gtctgagcaa cacgtggcgc acagcagtgt 300
caacgtagta gttaacaggg gtctccgctt gtggatcatc aagccatcca caaacttcat 360
ggatttagcc ctctgncctt cggaggttcc cagacaccca caanctngca agcctttggc 420
cccacttttc catgatgaaa ctgnagncac aaccatangc aagggccctt cggacannta 480
aggccttcct aaggagnttg naacncnana naacttttgc ttgggcantg ggcacaccag 540

nacctntaag nggccccctt tttaagcata aa 572

<210> 442
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

<400> 442
acaggtcaga gtcttctttt cttttctttt tgagatggag tcttgctctg ttgccagact 60
ggagtgcagt ggtgcgatct gggctcactg caatctccac ctcccgggtt caagcgattc 120
tcctgcctca gcctcccgag taactgggac tacaggtgcg cgccaccaag cccagctcat 180
ttttgtattt ttagtagaga tggggtttca cgatgttggc taggatggtc tcgatctctg 240
gtcagagtct tttctgtaaa tatccttggt aaagaagcaa ttttagactg tagctgttgc 300
aaatgcttta aggaagaagc aaaacaactg tcaagtcttc ctgaaatgaa gaaactncac 360
cagggctgct atatcagaac aaccncaacc aagcacttca aacatgatgc cgacaggtgg 420
ccccagctta aaaaaccagg aanaagttcn gantcccnaa actgngaatg cctcttggac 480
ttttggaatt aattgggggc cagtagccaa gttatnagac caaatcangg cntagggccc 540
cgtattattt ggcggggatt tg 562

<210> 443
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(585)
<223> n = A,T,C or G

<400> 443
acttttattt tttggtggtg aaattgactg atgattttcc tttttcttcg ctggactatt 60
gtgccaactg ccaggctgcc tcctgccctt acagccctaa gtggctgcct tctttccatc 120
aactcccaac ttcttcctgt gaagtttaat tgtctcaacg cctccccctc ccccattccc 180
tccatttttc tcccaagaaa cctgactcaa ttatttgcat attttgagaa actgctgcag 240
attagttctt tttgccagtt ttccctggaa ctcctggcct tttgtggagg ggagggatgg 300
agagaatagg aatcttcact agaagccgtg ggaagaattg gaagttacat gctgtatatg 360
caatgtccag cagtctgata aactgacgat tcttaatcaa gatttttcc tgatggggaa 420
gggacttta ttttctttta nagaggggaa agtgtgagct cttcccttat tcctaatggc 480
tatttttgaa gcaaanaagg ccacaacatt ngcacatgcc acctgcnaag gaccttgagt 540
nagtgaagnc tcctaaaact gggttaanaa ccttgttttc tctnn 585

<210> 444
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(437)
<223> n = A,T,C or G

<400> 444
acgcggggac gtgactcagc actttcccca gagcccggac tgcggagaac aatatcctcc 60
tccctaacag ataaacagcc cttgttcctc gggataagga ctggcagtcc cctgacaccc 120
taagaccggc atctgtcgat gttatttccc cagcatggcc gaaacagaag ccctgtcgaa 180
gcttcgggaa gacttcagga tgcagaataa atccgtcttt attttgggcg ccagcggaga 240
aaccggcaga gtgctcttaa aggaaatcct ggagcagggc ctgttttcca aagtcacgct 300
cattggccgg aggaagctca ccttcgacga ggaagcttat aaaaatgtga atcaagaagt 360
ggtggacttt gaaaagttgg atgactacgc ctctgccttt caaggtcatg atgttggatt 420
ctgtgcctgg gtacctn 437

<210> 445
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 445
actttttttt ttttttttt ttttttttt taaggtttga gggggaatgc tggagattgt 60
aatgggtatg gagacatatc atataagtaa tgctagggtg agtggtagga agtttttca 120
taggaggtgt atganttggn cgtagcggaa tcgggggtat gctgttcgaa ttcataagaa 180
cagggaggtt aaaagtaggg tcttggtgac aaaatatgtt gtgtanagtt caggggaaag 240
tgcgtcatat gttgttccta ggaanattgt antggtgagg gtgttaatta taataatgtt 300
tgtgtattcg gctatnaana atagggccaa atgggcctgc ngcctattcn atgtttaanc 360
tgagacttnt tcggactccc cttcggcaan gtcnaantgg ggttcggttg ngcnctgcag 420
tgnggagata nntcntntta ntggccaatg gtnnngatgg ccagaataat cannanggnt 480
tcnttnntcn tnaaaaggtc naaatggttn angganaccn cttattagga attgttaatc 540
ttnaatgatn gttntggnga cnctatatgg anaatgtnag gnctactccn ng 592

<210> 446
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

<400> 446
ggtacggcaa acacaacgga cctgagcact ggcataagga cttccccatt gccaagggag 60
agcgccagtc ccctgttgac atcgacactc atacagccaa gtatgaccct tccctgaagc 120
ccctgtctgt ttcctatgat caagcaactt ccctgaggat cctcaacaat ggtcatgctt 180
tcaacgtgga gtttgatgac tctcaggaca aagcagtgct caagggagga cccctggatg 240
gcacttacag attgattcag tttcactttc actggggttc acttgatgga caaggttcat 300
agcatactgt ggataaaaag aaatatgctg cagaacttca cttggttcac tggaacacca 360
aatatgggga ttttgggaaa gctgtgcagc aacctgatgg actggccgtt ctaggtattt 420

```
tttttgaagg ttggcagcgc taaaccnggc cttnataaag ttgttgaatg tgctggattc     480
cattaaaaca aagggcaaga attgctgact ttcactaatt nnaatcctcg tnggccttct     540
tcctgaaatc cttggattac cggacctncc cagcttactn accanccttc tcttttngg      599

      <210> 447
      <211> 588
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(588)
      <223> n = A,T,C or G

      <400> 447
ggtacgcggg atgagtgtgg aatccagaac aaattaagtg ttgaccacag cgacccagtc      60
atcctgaatg tcctctatgg cccagacgac cccaccattt ccccctcata cacctattac     120
cgtccagggg tgaacctcag cctctcctgc catgcagcct ctaacccacc tgcacagtat     180
tcttggctga ttgatgggaa catccagcaa cacacacaag agctctttat ctccaacatc     240
actgagaaga acagcggact ctatacctgc caggccaata actcagccag tggccacagc     300
aggactacag tcaagacaat cacagtctct gcggagctgc caagccctcc atctccagca     360
acaactccaa acccgtggag gacaaggatg ctgtggcctt ccctgtgaac ctgaggctca     420
gaacacaacc tacctgtggt gggtaaatgg tcagagcctc cagcagtccc aaggctggag     480
ctgtccaatg gcaacangga cctnactcta ttcaatgtca caagaaatga cncaagaacc     540
tatgnatgtg gaatccagaa ctnagtgatg caaaccgaat gaccagnn                  588

      <210> 448
      <211> 593
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(593)
      <223> n = A,T,C or G

      <400> 448
accatttgtc tgacctctgt aaaaaatgtg atcctacaga agtggagctg gataatcaga      60
tagttactgc tacccagagc aatatctgtg atgaagacag tgctacagag acctgctaca     120
cttatgacag aaacaagtgc tacacagctg tggtcccact cgtatatggt ggtgagacca     180
aaatggtgga aacagcctta accccagatg cctgctatcc tgactaattt aagtcattgc     240
tgactgcata gctctttttc ttgagaggct ctccattttg attcanaaag ttagcatatt     300
tattaccaat gaatttgaaa ccagggcttt ttttttttt ttgggtgatg taaaacncaa     360
ctncctgnca ncaaaataat taaaatagnc acattgntat cttttattag gtaattcact     420
tcttaattan atggntcaat actctaagna tcaaaatntt ccaattatna tggctcacct     480
gaaagaagna tgctctttta aggaatacag cttcttcnat tnacaattta acanggggag     540
aaaattaaan tnaangantt ganatctgga ggngtannaa ngntctcgcn ttc             593

      <210> 449
      <211> 577
      <212> DNA
      <213> Homo sapiens
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<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 449
actgtgggtc gaagtaatgg atacggacgt aaccatcttc gccgccgctg ctgtagctct 60
tgccatcagg atggaaggca acactgttga taggtccaaa gtgacccttg actcttccaa 120
actcttcttc aaaggccaaa tggaagaacc tggcctcaaa cttgccaatc ctggtggagg 180
ttgtggttac atccatggct tcctgaccac cgcccaggac cacatggtca tagttggggg 240
agagggcagc tgagttgaca ggacgttctg tccggaaagt cttctgatgt tcaagagttg 300
tggagtcaaa aagcttggct gtgttgtcct tggacncggc acaaacatgg tcatgtccct 360
ggataactgg atgtcgttga tctgccggga gtgctcctta acattcacca acacctcttc 420
anacttggca ctatactggt tgactctcca ctcttatggc cnggatgatg cactccccca 480
aggggtncca aacagnactg gtgatttaga atcattgcan ggatcttatg tagggctcat 540
tgntgcaatc tggcttggat ccgcagtcaa aaaagnt 577

<210> 450
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G

<400> 450
ggtacttgtg atcacactac gggaatctct gtggtatata cctggggcca ttctaggctc 60
tttcaagtga cttttggaaa tcaacctttt ttatttgggg gggaggatgg ggaaaagagc 120
tgagagttta tgctgaaatg gatttataga atatttgtaa atctatttt agtgtttgtt 180
cgttttttta actgttcatt cctttgtgca gagtgtatat ctctgcctgg gcaagagtgt 240
ggaggtgccg aggtgtcttc attctctcgc acatttccac agcacctgct aagtttgtat 300
ttaatggttt ttgtttttgt ttttgtttgt ttcttgaaaa tgagagaaga gccggagaga 360
tgatttttat taattnttnt ttttttttt tactatttat agctttaaaa agggcctncc 420
ttcccctctt ctttctttgg nctctttcat taacccctc ccagtttttt ttaacttaaa 480
ccccgttctc atggcctngg ccttttgaag cgnttcctct tataaaaagc tttgccgaac 540
aantttttt taccgatccc aaatttatga agggg 575

<210> 451
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(573)
<223> n = A,T,C or G

<400> 451
actaggctaa ctagaaggat ctcatcccca tatgtggtct catttcaagt ctatggatga 60
ctaccttcat tgctgtgtgc gagatggttt cacccctga aaatatggtc acttcagcat 120
aaaatagtta aatctttata atgatcaatt catcctacct ccttttacat gcagctgaaa 180

aatgacaggc tagggacata gaatattgtg aactttatac tgttagaatc actgtccatt 240
aaatgatcac tagctaatgg tcactaaatt tacaaattaa ggaaattata tatagaatac 300
tgcaaaaaca cagtaaaaag actgaagttc gcccatttct gctcaggaag tctcttcact 360
cctaagcttc atatgttgcc ttctggcttc aaaattctgc tattattact gttttcctcc 420
tttgatcttc ctttggtccc cagtgccaga cttccaagcc ttttngttaa aaagccatct 480
tttggatgcc atttcnaaca gcttcagtga tgcctctgaa aaaaggatct gccggctaan 540
atttctcngg ttcgtgcttt ctaccgganc tcc 573

<210> 452
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 452
acaattttat ccctaaaact ctgttgacat caaaatatga cagttgctat atccataaaa 60
tatttacata gcacggcata ttaagcttta gacacttggc aattaaacca cataaaaaga 120
ggacaagacc cccatcctac atgtttggaa tcaggtgttc accggtccct atctggcgac 180
tgtacgcggg tggggtcctt acttgtattc tgttatcagc tgattttgaa acatataata 240
atgattttct tgttcccttc tttaactagc tgcctttaga ttttgataat cacagtctta 300
aaatactagg aaagaagtgg atgggaattg taggcataga tttcatatca agggcatttc 360
aagacagaat ttttaattcc tgtagtaggc ttgctggagc naaaggaaaa tgtgctggtt 420
aaaaatcaac ttatgccatt ttaaaatttg ataaaatttg gagtggcatn ctgctaaggg 480
gagaccttgg gccggacccc cttangggca aattccngca cactgggggg cggtactang 540
gggatccgac ntcggnccan acttggcgna tcatgggctt antgttcctt gnggn 595

<210> 453
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 453
ggtacgcggg gagccgcctg gataccgcag ctaggaataa tggaatagga ccgcggttct 60
attttgttgg ttttcggaac tgaggccatg attaagaggg acggccgggg gcattcgtat 120
tgcgccgcta gaggtgaaat tcttggaccg gcgcaagacg gaccagagcg aaagcatttg 180
ccaagaatgt tttcattaat caagaacgaa agtcggaggt tcgaagacga tcagataccg 240
tcgtagttcc gaccataaac gatgccgacc ggcgatgcgg cggcgttatt cccatgaccc 300
gccgggcagc ttccgggaaa ccaaagtctt tgggttccgg ggggagtatg gttgcaaaaa 360
aaaaaannaa aaaaaaaagt 380

<210> 454
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G

<400> 454
ggtactcttg gtttatcaat gggacgttcc agcaatccac acaagagctc tttatcccca 60
acatcactgt gaataatagc ggatcctata tgtgccaagc ccataactca gccactggcc 120
tcaataggac cacagtcacg atgatcacag tctctggaag tgctcctgtc ctctcagctg 180
tggccaccgt cggcatcacg attggagtgc tggccagggt ggctctgata tagcagccct 240
ggtgtatttt cgatatttca ggaagactgg cagattggac cagaccctga attcttctag 300
ctcctccaat cccattttat cccatggaac cactaaaaac aaggtctgct ctgctcctga 360
agccctatat gctggagatg gacaactcaa tgaaaattta aagggaaaac cctcaggcct 420
gangtgtgtg ccactcagag acttcaccta actagagaca gtcaaactgc aaccatgggt 480
gagaaattga cgacttcaca ctatggacag cttttnccaa gatgtcaaac aagactcctc 540
atcatgataa ggntcttacc cctttaattg nccttgttat gcctgccct 589

<210> 455
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G

<400> 455
ggtacgcgga agagacaggg tttcaccatg ttgcccaggc tggtttcgaa ctcctgacct 60
caggtgatcc acccgcctcg gcctcccaaa gtgctgggat tacaggcttg agcccccgcg 120
cccagccatc aaaatgcttt ttatttctgc atatgttgaa tacttttttac aattcaaaaa 180
aatgatctgt tttgaaggca aaattgcaaa tcttgaaatt aagaaggcaa aaatgtaaag 240
gagtcaaaac tataaatcaa gtatttggga agtgaagact ggaagctaat ttgcattaaa 300
ttcacaaact tttatactct ttctgtatat acatttttttt tctttaaaaa acaactatgg 360
atcagaatag ccacatttag aacacttttt gttatcaagt caatattttt agatagttag 420
aacctggtct taagcctaaa agtgggcttg attctgcagt aaatcnttta caactgcctc 480
gacacacatt aacctttta aaaatngacc ttcccgaagt cttttggtag catggnacac 540
ctgatgctta natgttcang taattaatat ggnccagnag tnttgtnnc 589

<210> 456
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 456
acagaatgtt gatacaaagc ttaaaattct tgcatatggt catagaaaat gcatctttgg 60
ttttgtgttt ttatcacttg cttccaactt aggcttttgg ctcagaagat tattgaataa 120

tgatttgtct tagtttctgc ttcagtaagg gaattctgag gccgttgcta tgataccatc 180
attaagacat tcacatgtct tcatataata tctcttcatt tcaaatccta atcactattt 240
catactatta cagggctttg atgctgccag cactgtcttt tacataggaa attctagatt 300
tgcacagtaa tagaggaatt agaagtacct aactatacac tttgattcag cctgctaaat 360
caggggttca atactagctt ggacaaactt tgtaagtaat taattgctac cagccttatt 420
ggaaacaaat tatcaactag tttcccctgc caaattttga aattcactgn ttcacttaat 480
ctattatatt actaataatg gattaataaa gatgaattaa ttattattac ttactagtnt 540
aaatgaaaaa cagggactga aatagtctgn atccgngttg ca 582

<210> 457
<211> 380
<212> DNA
<213> Homo sapiens

<400> 457
ggtacttttt ttttttttt tttttggagt ttttagttta ttaatgttct tgcgaaaaat 60
ccacagtggc cacagctaac atcattgcag caccttttact ccttcggctg tgatccaatc 120
tccagctcac ttctttttgc cagcaccaac attggccttt gcagtccccc tgactttctt 180
cattctgttc ttgcgttcct ttcgttgctt tcttgaggtc tttttcttct catacaggcc 240
atgtcttgca agtctatgtt tgggttcatt tttctttgca taatccaggg aatcataaat 300
catgccaaag ccagttgtct tgccaccacc aaaatgagtt ctgaatccaa atacaaagat 360
gacatccggt gtggtcttgt 380

<210> 458
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 458
acgcggggag aacagccacc cctctctcgg gcactgctgc catgaatgcc ttcctgctct 60
ccgcactgtg cctccttggg gcctgggccg ccttggcagg aggggtcacc gtgcaggatg 120
gaaatttctc cttttctctg gagtcagtga agaagctcaa agacctccag gagccccagg 180
agcccagggt tgggaaactc aggaactttg cacccatccc tggtgaacct gtggttccca 240
tcctctgtag caacccgaac tttccagaag aactcaagcc tctctgcaag gagcccaatg 300
cccaggagat acttcagagg ctggaggaaa tcgctgagga cccgggcaca tgtgaaatct 360
gtgcctacgc tgcctgtacc tn 382

<210> 459
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 459

ggtactgagg aaatatttta taaagtgagc tttgggtata acttagcccc atcattattt 60
agagaataga ggaggaagaa agaggaagga ttttaaaggc agacaatgac agaccattca 120
ggataggtag ggttttaaag ggagataaac acagtctcat caactaagga gagatttgct 180
gcagtaaata ggatgaggga aatagtctgt gggatgcaag caaaggaagc agggtgcctt 240
agacactgag tggagccaga aagatcatgc ggccttttc caagtacatg gccaccaagt 300
aagaatggtt ggtgacaaga cagaaggcta aaacaggaag gtaatcttgt gcacctgaca 360
aatngaaaga attaaggatc aaaattgaag caggctntaa gagtttcaag aaattcttaa 420
aacccaaaag tgatttggaa gccccaaact ttccggtaat gctncccatg gcatgatggg 480
ccaaaacctt gggggttcct aagttnnaaa agccctntnc caaattttaa tggacccct 540
acatttttc taatcaatcc ccccttcca aaaaaatngg acctcntttt tt 592

<210> 460
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 460
acgcgggcac tatcctgaat tatgtgcctg tctagataag cagagaccat gccaaagcta 60
taatggaaaa caagtttaca aagagacctg tatttctttc ataaaagact tcttggcaaa 120
aaatttgatt atagttattg gaatagcatt tggactggca gttattgaga tactgggttt 180
ggtgtttttct atggtcctgt attgccagat cgggaacaaa tgaatctgtg gatgcatcaa 240
gctatcgtca gtcaaacccc tttaaaatgt tgctttggct ttgtaaattt aaatatgtaa 300
gtgctatata agtcaggagc agctgtcttt ttaaaatgtc tcggctagct agaccacaga 360
tatcttctag acatattgaa cacatttaag atttgaggga tataagggaa aatgatatga 420
atgtgtattt ttactcaaaa taaaagtaac tgttacgttg cgaaaaaaan nnnnnnnnnn 480
naaaaaaaag tnccttgggc cgggaccacg ctagggcaaa tccagcacac tggcggccgt 540
actagggatc cactnggacc agctggcgna atatggnn 578

<210> 461
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 461
acgcggggct ttctggtctc ggccgcagaa gcgagatgac gaagggaacg tcatcgtttg 60
gaaagcgtcg caataagacg cacacgttgt gccgccgctg tggctctaag gcctaccacc 120
ttcagaagtc gacctgtggc aaatgtggct accctgccaa gcgcaagaga aagtataact 180
ggagtgccaa ggctaaaaga cgaaatacca ccggaactgg tcgaatgagg cacctaaaaa 240
ttgtataccg cagattcagg catggattcc gtgaaggaac aacacctaaa cccaagaggg 300
cagctgttgc agcatccagt tcatcttaag aatgtcaacg attagtcatg caataaatgt 360
tctggtttta aaaaatnnan nnnaannntn ntnnaaanaa aaaaagtnct nggccgngac 420
cacgc 425

<210> 462
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

<400> 462
ggtactattg acccagcgat gggggcttcg acatgggctt tagggagtca taagtggagt 60
ccgtaaagag gtatctttac tataaaagct attgtgtaag ctagtcatat taagttgttg 120
gctcaggagt ttgatagttc ttgggcagtg agagtgagta gtagaatgtt tagtgagcct 180
agggtgttgt gagtgtaaat tagtgcgatg agtaggggaa gggagcctac tagggtgtag 240
aataggaagt atgtgcctgc gttcaggcgt tctggctggt tgcctcatcg ggtgatgata 300
gccaaggtgg ggataagtgt ggtttcgaag aagatataaa atatgattag ttctgtggct 360
gtgaatgtta taattaagga gatttgtaag ggagattagt atanagaggt anagtttttt 420
tcgtgatagt ggntcactgg ataantggcc gttggctttg ccatgattgt gaggggtagg 480
agtcaagtag ttagtattan gangggggtt nttaggggtc cnaggaaang ttggggaana 540
ctaaannggt gtngtnattn gtaaaaaata nnnnanggat n 581

<210> 463
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

<400> 463
actgtgtggc gccttattct aggcacttgt tgggcagaat gtcacacctg ccgatgaaac 60
tcctgcgtaa gaagatcgag aagcggaacc tcaaattgcg gcagcggaac ctaaagtttc 120
agggggcctc aaatctgacc ctatcggaaa ctcaaaatgg agatgtatct gaagaaacaa 180
tgggaagtag aaaggttaaa aaatcaaaac aaaagcccat gaatgtgggc ttatcagaaa 240
ctcaaaatgg aggcatgtct caagaagcag tgggaaatat aaaagttaca aagtctcccc 300
agaaatccac tgtattaagc aatggagaag cagcaatgca gtcttccaat tcagaaccaa 360
aaaaaaaaaa naaaaaaaag tacttttttt ttttnnnnnt ttttttttt taggtaatgg 420
gtgttgagct tgaacgcttt cttaattggn ggctgctttt angcctctat gggtgttaaa 480
ttttttactc tcttacaagg tttttcctaa gtccaaanac tgtccttttg gctacagtta 540
aatttccagg ggattaaagg gttttgggcn aatt 574

<210> 464
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 464
ggtacctagt aagctctccc tcctcccacc ctccaccctc aaggaggccc cagtgtcagt 60
tgttcccctc tgggtccatg agttcttatc atttagctcc cacttataag caagaacatg 120
cagtatttgg ttttctgttc ctgccttagt ttgctaagga taacggcctc cagctccatc 180
cagttcctgc aaaggacatg atcctgttct ttctatggct gtatagtatt ccatggtgta 240
tatttaccac attgtcttta tccagtctgt cattgatggg cttttgggtt gattagtagc 300
tttttgaatg gtaacttttc tacagaagta cgcggggctt tttttttgc tgtaggcccg 360
ggtggttgct gccgaaatgg gcangttcat gaaacctggg aaggtggtgc ttgtcctgct 420
ggacgctact ncggacgcaa agctgtcatc gtgaaagaac attgatgatg gcaccttana 480
cgccctacag ccatgctctg gtggctggaa ttgaccgcta cncccgaaag tgacagctgn 540
catgggcaag aagaagatcg ccagagatca aagataaaan 580

<210> 465
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(578)
<223> n = A,T,C or G

<400> 465
ggtacttttt ttttttttt ttttttttt ttctacatca ctttanaata tttattgtat 60
tccttaatgc atttcttaac atgtatagca ctctttaatc aagaatataa agtcatctac 120
ttagaatcac attatcttaa agatgcatac tggaatgata agtttgaaga tgtaactatc 180
aacaattctt ttcaaaatca tatcaatata ttactctcat ggaacttgca cattctaaga 240
agggtcattt tttcccccca gtaccaatat tacattattt gacagggata ataaaatgag 300
cagagactgg aaatcacaga caataacatt gctttctcaa ttaacagaaa ggattcataa 360
catattcctt aacggtagat gtgatttgta gagaatgtgg aaaagaacta ttgagaagtc 420
cacctgctgc ccaaactgag gcacattagg gtggttgtgg gangagttat atttgagggt 480
ccatttttcc ttagggttta aaagcatgtc cnggttggng gtnatttgcc attaagtctn 540
ttttcaaata aaagaattag gggagaaagt ttggaaaa 578

<210> 466
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

<400> 466
accaatacca ccaattttgt agacatcctg gagaggcagg cgcaagggct tgtcagttgg 60
acgagttggt ggtaggatgc agtccagagc ctcaagcagc gtggttccac tggcattgcc 120
atccttacgg gtgactttcc atcccttgaa ccaaggcatg ttagcacttg gctccagcat 180
gttgtcacca ttccaaccag aaattggcac aaatgctact gtgtcggggt tgtagccaat 240
tttcttaatg taagtgctga cttccttaac aatttcctca tatctcttct ggctgtaggg 300
tggctcagtg gaatccattt tgttaacacc gacaattagt tgtttcacac ccagtgtgta 360
agccagaang gcatgctctc gggtctgccc attcttggag ataccagctt caaattcacc 420

aacaccagca gcaacaatca ggacagnaca gtcggnctga gatgtccctg taatcatgtt 480
ttgataaaag tctctgtgtc ctggggcatc aatgatagtc acatagtacc tcggccgcga 540
ncacgc 546

<210> 467
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 467
acctaaaacc cgaagaacct tctgtaagaa gtgtggcaag catcagcctc acaaagtgac 60
acagtataag aagggcaagg attctttgta tgcccaggga aggaggcgct atgatcggaa 120
gcagagtggc tatggtgggc agacaaagcc aattttccgg aagaaggcta agaccacaaa 180
gaagattgtg ctaaggctgg aatgtgttga gcctaactgc agatccaaga ggatgctggc 240
tattaagaga tgcaagcatt ttgaactggg aggagataag aagagaaagg gccaagtgat 300
ccagttctaa actttgggat atttttcttc aattttgaag agaaaatggt gaaccataga 360
aaagttaccc gagggaaaat aaatacagtg atattccaaa aaaaaaaann nnnnnaaaaa 420
aaagtncttg gccgggaccc cctaa 445

<210> 468
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(566)
<223> n = A,T,C or G

<400> 468
actgtgtggc gccttattct aggcacttgt tgggcagaat gtcacacctg ccgatgaaac 60
tcctgcgtaa gaagatcgag aagcggaacc tcaaattgcg gcagcggaac ctaaagtttc 120
agggggcctc aaatctgacc ctatcggaaa ctcaaaatgg agatgtatct gaagaaacaa 180
tgggaagtag aaaggttaaa aaatcaaaac aaaagcccat gaatgtgggc ttatcagaaa 240
ctcaaaatgg aggcatgtct caagaagcag tgggaaatat aaaagttaca aagtctcccc 300
agaaatccac tgtattaagc aatggagaag cagcaatgca gtcttccaat tcagaaccaa 360
aaaaaaaaaa nnaaaaaaag tacttttttt tntnnnnnnn ttttttttag gaatgggtgt 420
tgaacttgac ctttcttaat gggggctggt tttaggctat atggngtaaa tttttctctt 480
ttacaaggtt tttcctagng ncaaaaactg tcctttggac taccgtaaat tacaggggtt 540
taaaggttnt ggggcaatta aanttn 566

<210> 469
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(586)
<223> n = A,T,C or G

<400> 469
acgcgggata ggtttggtcc tagcctttct attagctctt agtaagatta cacatgcaag 60
catccccgtt ccagtgagtt caccctctaa atcaccacga tcaaaaggga caagcatcaa 120
gcacgcagca atgcagctca aaacgcttag cctagccaca cccccacggg aaacagcagt 180
gattaacctt tagcaataaa cgaaagttta actaagctat actaacccca gggttggtca 240
atttcgtgcc agccaccgcg gtcacacgat taacccaagt caatagaagc cggcgtaaag 300
agtgttttag atcacccccc ccccaataaa gctaaaactc acctgagttg taaaaaactc 360
cagttgacac aaaatagact acgaaagtgg ctttaacata tctgaacaca caatagctaa 420
gacccaaact gggattagat accccactat gcttagccct aaacctnaca gttaaatcaa 480
caaaactgct cgccagacac tcgagccaca gcttaaaact caaggacctg cgggcttcat 540
atccctctag angacctgtc tgtaatcgat aaccccgatc aacctn 586

<210> 470
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 470
acggccaggg ctattggttg aatgagtagg ctgatggttt cgataataac tagtatgggg 60
ataaggggtg taggtgtgcc ttgtggtaag aagtgggcta gggcattttt aatcttagag 120
cgaaagccta taatcactgc gcccgctcat aaggggatgg ccatggctag gtttatagat 180
agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga ggaggttagt tgtggcaata 240
aaaatgatta aggatactag tataagagat caggttcgtc ctttagtgtt gtgtatggtt 300
atcatttgtt ttgaggttag tttgattagt cattgttggg tggtgattaa tcngttgntg 360
atgaaatatt tggaggtggg gatcaatana gggggaaata gaatgatcag tacctcgccc 420
gcgaccacgc taagggccaa tccacacact ggcggncgta ctaatggatc ccaactcgga 480
ccagctt 487

<210> 471
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

<400> 471
actgcggcgg gtaggcctag gattgtgggg gcaatgaatg aagcgaacag attttcgttc 60
attttggttc tcagggtttg ttataatttt ttatttttat gggctttggt gagggaggta 120
ggtggtagtt tgtgtttaat atttttagtt gggtgatgag gaatagtgta aggagtatgg 180
gggtaattat ggtgggccat acggtagtat ttagttgggg cattcccgcg tacctatttg 240
tatttttggt agagacaggg ttttgccatg ttggccagga tggtcttgaa ctactgacct 300
caggtgatcc tcacgccttt atctcccaaa gtgctgcgat tacaggcatg aggcaccact 360

cctggccaca ttcttatatt taaaaaaaaa gcacaactct attgtctact ggtgttcttt 420
tacctgaagt tcaaactcta gctcttcaaa aaaaaaaaaa aaaaaaagta cctnggccgc 480
naccacnc 488

<210> 472
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(586)
<223> n = A,T,C or G

<400> 472
ggtacttgat gccctccaag caattaaaac caagggcaaa cgagccccat tcacaaattt 60
tgacccctct actctccttc cttcatccct ggatttctgg acctaccctg gctctctgac 120
tcatcctcct ctttatgaga gtgtaacttg gatcatctgt aaggagagca tcagtgtcag 180
ctcagagcag ctggcacaat tcagcagcct tctatcaaat gttgaaggtg ataacgctgt 240
ccccatgcag cacaacaacc gcccaaccca acctctgaag ggcagaacag tgagagcttc 300
attttgatga ttctgagaag aaacttgtcc ttcctcaaga acacagccct gcttctgaca 360
taatccagta aaataataat ttttaagaaa taaatttatt tcaatattag caaagacagc 420
atgccttcaa atcaatctgt aaaactaaga aacttaaatt ttagttctta ctgcttaatc 480
aaataataat tagtaagcta gcaaatagta atctgtaagc ataagcttat gcttaaatca 540
gtttagtttg aggaatcttt aaaattacca ctaantgatt gnatgg 586

<210> 473
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G

<400> 473
ggtacaaagg ggaaagggtg catgccaact atcgaattat aggatatgta aaaaatataa 60
gtcaagaaaa tgccccaggg cccgcacaca acggtcgaga gacaatatac cccaatggaa 120
ccctgctgat ccagaacgtc acccacaatg acgcaggaat ctataccta cacgttataa 180
aagaaaatct tgtgaatgaa gaagtaacca gacaattcta cgtattctcg gagccaccca 240
agccctccat caccagcaac aacttcaatc cggtggagaa caaagatatt gtggttttaa 300
cctgtcaacc tgagactcag aacacaacct acctgtggtg ggtaaacaat cagagcctcc 360
tggtcagtcc caggctgctg ctctccactg acaacaggac cctcgttcta ctcacgccca 420
aagaatgaca taggacccta tgaatgtgaa atacagaacc cagtgggtgc cacccgcant 480
gcccantcac cctgaatgtc cgtatgagtc aatcctgccg gcggccgttc naanggcgaa 540
ttccacacac tggcggccgt ctaatggatc cactc 575

<210> 474
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 474
ggtacgtggg ggactcaact gaaatcatgg cgtttgacag cacttggaag gtagaccgga 60
gtgaaaacta tgacaagttc atggaaaaaa tgggtgttaa tatagtgaaa aggaagcttg 120
cagctcatga caatttgaag ctgacaatta cacaagaagg aaataaattc acagtcaaag 180
aatcaagcgc ttttcgaaac attgaagttg tttttgaact tggtgtcacc tttaattaca 240
acctagcaga cggaactgaa ctcaggggga cctggagcct tgagggaaat aaacttattg 300
gaaaattcaa acggacagac aatggaaacg aactgaatac tgtccgagaa attataggtg 360
atgaactagt ccagacttat gtgtatgaag gagtagaagc caaaaggatc tttaaaaagg 420
attgaccatt attcttggcg cacagtccaa aatncaaatt ggccagaaga tctatattgn 480
acctgcccgg gcggccgttc gaaaggccaa ttcca 515

<210> 475
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 475
acaaagatct gacatgtcac ccagggaccc atttcaccca ctgctctgtt tggccgccag 60
tcttttgtct ctctcttcag caatggtgag gcggataccc tttcctcggg gaagagaaat 120
ccatggtttg ttgcccttgc caataacaaa aatgttggaa agtcgagtgg caaagctgtt 180
gccattggca tctttcacgt gaaccacgtc aaaagatcca gggtgcctct ctctgttggt 240
gatcacacca attcttccta ggttagcacc tccagtcacc atacacaggt taccagtgtc 300
gaacttgatg aaatcagtaa tcttgccagt ctctaaatca atctgaatgg tatcattcac 360
cttgatgagg ggatcggggt agcggatggt gcgggcatca tgagtcacca gatgagggat 420
tccttttgtg ccccaaagat ctttctnact ttgacaactt gaccttggnc gcgaccaccc 480
taaggcgaat tcacccactg gcggccgtct aatggatccn nctcggncca acctggntat 540
atggcntaan tnntccnggn naaatntntc cccncaatcc 580

<210> 476
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 476
ggtactatgt gggacagtat tttgcaaata caagaagagc tcagggcagc tgtggagctg 60
gatggtctgc ctggcaggcc tctgtgcagt ctgcctgctc atcctgtccc ctttttgggg 120
cttgatcctc ttctcggtgt catgcttcct catgtatact tacttatctg gccaagaatt 180
gttacctgtg gatcagaagg cagtcctggt gacaggtgtg attgcgggct tggccatgct 240

ttgtgcaagt atctggatga gctgggcttc acggtatttg ccggagtttt gaatgaaaat 300
ggcccaggag ctgaggaatt gcgaagaacc tgctctccgc gcctctcggt gctccaaatg 360
gacatcacga accagtgcag ataaaagatg cttacagcaa ggttgcaaca atgctgcagg 420
acaaaagact gtgggctgtg atcaacaatg ctngggtgct tggcttttcc actgatgggg 480
agcttnttnt tatgatgact acnaacaatc ntggccgnga acttttttga actgngaggg 540
acaaaacgtt tttccttttt taaaaaancc aagggnggtg gnnaattncn nnt 593

<210> 477
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 477
actacaaggt ttagcatttg ctctgctggt cgacattccc ccagtctatg ggttgtatgc 60
atccttttc ccagccataa tctacctttt cttcggcact tccagacaca tatccgtggg 120
tccgtttccg attctgagta tgatggtggg actagcagtt tcaggagcag tttcaaaagc 180
agtcccagat cgcaatgcaa ctactttggg attgcctaac aactcgaata attcttcact 240
actggatgac gagagggtga gggtggcggc ggcggcatca gtcacagtgc tttctggaat 300
catccagttg gcttttggga ttctgcggat tggatttgta gtgatatacc tgtctgagtc 360
cctcatcagt ggcttcacta ctgctgctgc tgttcatgtt tttggnttcc caactcaaat 420
tcatttttca agtgacagtc ccgtcacaca ctgatncagt ttnaatttta aaagtacctc 480
ggccgcganc accctaaggc gaatttnaac ccactngcgg ccgttctant ggatccaact 540
ngnnncaaac ttngngaata ngggcataac ngntcctggg gaaatnnttc ccnct 595

<210> 478
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 478
ggtacacagt atgtataaca atgcatacta tggtgtggag ttaattccaa ttaccatatt 60
ttatatttat tggtcacaac agcatacatt ttatgctcca aaatacatgg atctgacaaa 120
atggttacat ttaatgttct tttaaagaaa gatgaactaa atttaagaag aattggtttt 180
tcctaatatc tcattttcaa attactgata caaatttgcc agagaaacaa ttacatgttt 240
tacctaacat caaataatct ccagtttcta agacagatgc atttcttgtt caatttccaa 300
aagtaaataa aggctttcta actgaaaaca tttgcatccc tagctctcta aagtaattaa 360
aaagaaaatt acaaaaaatg acctctaagc ttctgaacag cccacttant tacataaagt 420

<210> 479
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(602)
<223> n = A,T,C or G

<400> 479
ggtacctagt cagatggtag acgagctgtc tgctgccgca ggagcacctc tatacaggac 60
ttagaagtag tatgttattc ctggttaagc aggcattgct ttgccctgga gcagctattt 120
taagccatct cagattctgt ctaaaggggt tttttgggaa gacgttttct ttatcgccct 180
gagaagatct accccaggga gaatctgaga catcttgcct acttttcttt attagctttc 240
tcctcatcca tttcttttat acctttcctt tttggggagt tgttatgcca tgatttttgg 300
tatttatgta aaaggattat tactaattct atttctctat gtttattcta gttaaggaaa 360
tgttgagggc aagccaccaa attacctang ctgaggttag agagattggc cagcaaaaac 420
tgtgggaaga tgaactttgt cattatgatt tcattatcac atgattatag aaggctgtct 480
taatgcaaaa aacatactta catttnanac atattccaan gggatctcnc attttgtaaa 540
aagttgacta ttactggagt aaaccctgtt ttccctaant ttaacttttt ttgggaaatt 600
at 602

<210> 480
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

<400> 480
ggtacttttt ttttttttnt ttttttttnc ggtttgaggg ggaatgctgg anattgtaat 60
gggtatggan acatgtcata taagtaatgc tagggtgagt ggtaggaagt tttttcatag 120
gaggtgtatg agttggtcgt agcggaatcg ggggtatgct gttcgaattc ataaaaacag 180
ggaggttana agtagggtct tggtgacaaa atatgttgtg taaagttcag ggganagtgc 240
gtcatatgtt gttcctagga aaattgtagt ggtgagggtg tttattataa taatgtttgt 300
gtattcggct atgaaaaata gggcgaaggg gcctgcggcg tattccatgt tgaagcctga 360
gactagttcg gactcccctt cggcaaggtc caaaggggtt ccggttggtc tcttctagtg 420
tggagataaa tcatattatg gccnagggtc atgatggcag gagtaatcaa aggggtcntt 480
tgttttgaaa aagggnggan aggttaaagg ancccctttt tataatggtg atantaaaaa 540
gatgcttggg ggactcnttt aaaatgttgg ctcttcttcc angcncccac aggcgtattt 600

<210> 481
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(594)
<223> n = A,T,C or G

<400> 481
cgaggtacgg ccagggctat tggttgaatg agtaggctga tggtttcgat aataactagt 60
atggggataa ggggtgtagg tgtgccttgt ggtaagaagt gggctagggc atttttaatc 120

ttagagcgaa agcctataat cactgcgccc gctcataagg ggatggccat ggctaggttt 180
atagatagtt gggtggttgg tgtaaatgag tgaggcagga gtccgaggag gttagttgtg 240
gcaataaaaa tgattaagga tactagtata agagatcagg ttcgtccttt agtgttgngt 300
atggttatca tttgttttga ggttagtttg attagtcatt gttgggtggt gattantccg 360
ttgttgatga gatatttgga ggtggggatc aatagagggg gaaatagaat gatcagtacc 420
tgcccnggcg gncgctcgaa anggcgaatt ccaccacact ggcgggcgnt ctaatggatn 480
cgacccngtc ccaacttgcg taatcatggc atacttgttn ctggtgaaat ggtatccctc 540
acaattccca cacatacaac ccgaacctaa atgtaaanct gggggcctat natn 594

<210> 482
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

<400> 482
accatgaaat acatatattt cataaggttc agttacaaaa tggattgttt caaatggcaa 60
tttcttacac taacctgatt atgaaaaaaa gaagtctgta tcatctgctt ccaagtctgt 120
tatgtccaaa tatattttaa ttatgcattt attttgctac ttttataaat attagagatt 180
tcaccttaaa ttatttttgt aactagttct agaacatgtt ttccaattat tatttttcta 240
atggagacat ataattgacc tatgtttatg catatatgtt ctctacacag tgaaactttt 300
tttaaaaaga atagtaaaga aaatgcggaa gctctggctc tccaaggcaa agtcaaaaaa 360
aaaaaaaaag cgggggggaa tgcgaggaac attttattac acctnctgat tttcctcctt 420
gagntttatt ttctcccctt ggntatttgt taatgctaga aactgnattc ctaanaaagc 480
atacctcttt caggngagcn tgataattgg gaanaatttt gttcctttag tntgaacatt 540
ttattaagaa gngattccta ataaaganac aangggctnt ttaattnttt gggggnngga 600

<210> 483
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 483
acagaacatc gtcagcacta gcacagttta cagaacctca cagacccaaa ggaacatcaa 60
taggcaaagc gactacagga ggcgtgtgtc cgcgtgggcg aggtaaagag ggtcagtatt 120
ggtcaagtga cagtgtcggt aatctggcaa gacagtgatg ttaagaaggt tcatagttta 180
agaattatct aaaatatttt aaaaactata aagctgcaac acatgatttt tacacctagt 240
tactagaaaa ctaaggaaag cacttattag ctctgaataa agtaacatgg aaagcacttt 300
tactaatcga caaaaaaacc ttctaatgca ttatcagaaa gattttataa tacaaggagg 360
catattgctc agtcagaagg ggttctataa gaaaagcact tactaagtta gcgactaaca 420
gaacaaccng tttaaagatg aattaaatgc cccatttggg gangcatggc aggtgttaag 480
anaaangaaa agcntaagaa aacatttnct ggttatanca aacctttntt tnttatctac 540
tgnatttgac aaaaattaac cntttaaagt tttacccngg cacttnnttc nttgtcctcg 600
gcccg 605

<210> 484
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 484
ggtacgcggg tggggagacc ctggggtagc agccactgac ctcacacctg gaggaagctg 60
tgtgaccgat tcatgagctt atgcctgaag acagagcaag cactccccgc accacgacga 120
tgacgttcac ttgttttgtg tttttcgatc tcttcaacgc cttgacctgc cgctctcaga 180
ccaagctgat atttgagatc ggctttctca ggaaccacat gttcctctac tccgtcctgg 240
ggtccatcct ggggcagctg gcggtcattt acatcccccc gctgcagagg gtcttccaga 300
cggagaacct gggagcgctt gatttgctgt ttttaactgg attggcctca tccgtcttca 360
ttttgtcaga gctcctcaaa ctatgtgaaa aatactgttg cagccccaaa gagagtccag 420
atgcaccctg aaagatgtgt agtggaccgc acttccgcgg naccttccta atnatttcaa 480
ctgggtgnga ctgtggccct gccctgtttc ttcttagggg agactttang anggcgagcn 540
tcataccgga tagttttctt taggaaactn aggaaccttg gctcaggacc a 591

<210> 485
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 485
ggtacgcggg gatataaagg gagagagcaa gcagcgagtc ttgaagctct gttnggtgct 60
tnggatccat ttccatcggn ccttacagcc gctcgtcaga ctccancagc caanatggtg 120
aancagatcg agagcaagac tgcttttcan gaagccttgg acgctgcang tgataaactt 180
gtagnagttg acttctcagc cacgtggtgt gggccttgca aaatgatcaa gcctttcttt 240
cattccctct ctgaaaagta ttccaacgtg atattccttg aagtagatgt ggatgactgt 300
caggatgttg cttcagagtg tgaagtcaaa tgcatgccaa cattccagtt ttttaagaag 360
ggacaaaagg tgggtgaatt ttctggagcc aataaggaaa agctttgnag ccnccattaa 420
tgaatgagtc taatcatgtt ttctgaaaac ataacccagc catttggcta tttaaaactt 480
gnaantttt nagntaccna aatttaaagt ctgaagacat aacccggtgc catttgcgtg 540
acaatnaaaa attatgccaa cacttttna anaanganan nnntttcctn gggaaatngt 600
anccc 605

<210> 486
<211> 319
<212> DNA
<213> Homo sapiens

<400> 486
ggtaccagtt gtagccataa agattctggg actcattatg gactactaga aggacctcct 60

tcccttctgc gacattgaac ggcacgacat caatattggt ctgggcactg tttggcaggt 120
tccagaaggt taaaagcgag gctgtgagca ggagtccctg ccagggaatg cacactctgt 180
atggacaggc tgaaggggac cccatggtct ctgctgcctg cttgtcctct gtggagaaga 240
gcttgggctc caggaactct cttgtcaggg ctgctgtgac tgtcagctct gctgtccttc 300
ctacctctgt gtcccgcgt 319

<210> 487
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(586)
<223> n = A,T,C or G

<400> 487
acgcgggagc tgagtgtccc gcggggcccg aagcgtttac tttgaaaaaa ttagagtgtt 60
caaagcaggc ccgagccgcc tggataccgc agctaggaat aatggaatag gaccgcggtt 120
ctattttgtt ggttttcgga actgaggcca tgattaagag ggacggccgg gggcattcgt 180
attgcgccgc tagaggttaa attcttggac cggcgcaaga cggaccanag cgaaagcatt 240
tgccaagaat gttttcatta atcaagaacg aaagtcggag gttcgaagac gatcagatac 300
cgtcgtagtt ccgaccataa acgatgccga ccggcgatgc ggcggcgtta ttccatgacc 360
cgccgggcag ctttcnggaa accaaagtct ttgggttncc gggggagtat ngttcnaaaa 420
aaaaaaaaaa aaaaaaaagt cctnggccgg gancccctta nggngaaatt cagccactgg 480
nggcgttctn atggatncna gctcggncca acntggcgta atatggcata cttgttcctg 540
gngnaaatgt ttccctccaa attccccaaa tacgggcgga gcttaa 586

<210> 488
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 488
acagctggtt ggacctattc atgcatcttc accagcagct ggagcatctc cacccttggt 60
atttctggtg taaattactt gagctctgtg ctttgaaacc agtttgataa gtcctttact 120
aaggagctcc tgaagggctg ccctggccag ggagcctcga atcttcagtc tctcagagac 180
cacagctggg gttataagtt tatagttggg aacttcctta cagagtttat cataggtagc 240
tttgtcaaac aagactaagt tattgagctt gtcccgaact ttgcctttgg accacttctt 300
ctttttggcc ttgccccccgg atttgttcac tgggtctttg tctttcttgg ccgactttcc 360
agcgtccttc ttcttcttgt cgtccttaag cggcattgcg aanctcggag aataagcaac 420
aaacaccgca cctcgtcnaa gatgtcggac aaaaaaaggc cccgcgtacc ttnggccgcg 480
ancacnc 487

<210> 489
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G

<400> 489
acgcggggtc tctcctcagg cagcagcaac gcggaggaaa cgggagtgaa cggagagcgt 60
agtgaccatc atgagcctcc tcaacaagcc caagagtgag atgaccccag aggagctgca 120
gaagcgagag gaggaggaat ttaacaccgg tccactctct gtgctcacac agtcagtcaa 180
gaacaatacc caagtgctca tcaactgccg caacaataag aaactcctgg gccgcgtgaa 240
ggccttcgat aggcactgca acatggtgct ggagaacgtg aaggagatgt ggactgaggt 300
acaaagatta aattaagaca cggtaaattg actaaatatt tggtttttat ataaataaag 360
gtcataacca caccgttgac atgtaatact gttataatac aacagttaaa ctttgtgagt 420
ctcaacagaa gtcatctgta gttnaacagg aaacaaaagt tgaaaaaaaa catgttnaaa 480
caaaactctg ggactaacag gtcgggattg taagtacaac caacatattc ctcacttctg 540
ggtntttcaa gtttacagta cttggccgga ccccccttang ggnattcac 589

<210> 490
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 490
ggtaccggga tagtttttgc agggttttat tttataaaat ccaagcgcgc tgttgattgt 60
gttttccttg ttttcagccc cccgactcca gcccgcagca catttccgct gtccgtcagt 120
aattgtgtcc tctctttatg cttgcttggg gaatgttgtt ttctgactag gctgatcatt 180
atctaaagaa tctaattctg ttgattttta aaacttttag gaccataaac gttgtgttca 240
tatatggaca tggaaatatt tatataattt tatagaaaat aacctttag atggtcaaag 300
tgtaaggagt tttttttgtc agataatcat ttctacttca aaaacatttc atgcaatatt 360
agaataaagt tcctgtcatt cctctnnnan aaaaannnnn nnnnnnanna nnnnnnnnnn 420
nggaanannn nnnnnnnnnn aaaaaagtac ctgcccnggc ggccgttcaa aaggcgaatt 480
ccacccactg gcggccgttc taatggatcc anctcggacc aacctggnga aacatggcat 540
acctgttcct ggngaaatgg tntcccttac aattcccaca aataaaaccg g 591

<210> 491
<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G

<400> 491
ggtacatata aatccttttg gtgtcacttg tagcaagcct tgcttctgca gttttcggat 60
tttcctcaaa gctttgttgc gcttgcgtag aattcgaagt ggactaaagc caacagcatc 120

gataagtttc cgcctaaaga aaccaatgtt tgcaaagtag ataggagatg gacatctgaa 180
aattttcact ccttctggct catacatatc ataataatct tttttattct tatagatgtt 240
ggttcttcca atattagcca gcgtgctgca ttttggaaat tgggtcctga acacgatggt 300
tagcagttga aatgccacac tagctgccag gcctaacccg agtcccagga caatggtgaa 360
agatgaaagg catgaaccca aataaacaat catatttggn cnttccccca atctgctatt 420
ttaaccaact gcatcaacat tcctttaagt tccaatgcta aactggcang acnggcnttt 480
gtagaagngc cangaaaaat cagngcttga cgacaatcac accatgatgn nccataancc 540
acaatctggg nttggctcnn ggcctctgaa cnnngactgg nag 583

<210> 492
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(597)
<223> n = A,T,C or G

<400> 492
acgcgggggg tggcacggag gaaccaggag cgtgccctgc gcaccgtctg gagctccgga 60
gatgacaagg agcagctggt gaagaacaca tatgtcctgt gaccgccctg tcgccaagag 120
gactggggaa gggaggggag actatgtgtg agctttttt aaatagaggg attgactcgg 180
atttgagtga tcattagggc tgaggtctgt ttctctggga ggtaggacgg ctgcttcctg 240
gtctggcang gatgggtttg ctttggaaat cctctangag gctcctcctc gcatggcctg 300
cagnctggca acaaccccga gttgtttcct cgctgatcga tttctttcct ncaggtagag 360
ttttctttgc ttatgttgaa ttccattgcc ttttttctcat cacaaaaaat gatgttggga 420
atcgnntctt ttgtttggct gaattatggg nttttttaant ataaaccaaa nttttttatt 480
aacattctta aanaagggaa agtnnaatgt ncnttggncc cnaccncgct aanggcnaat 540
ttcancccnt ggnggccgtn nttnnggatc cnnncnngnn ccaannntgg nntantn 597

<210> 493
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 493
acggatgcta cttgtccaat gatggtaaaa gggtagctta ctggttgtcc tccgattcag 60
gttagaatga ggaggtctgc ggctaggagt caataaagtg attggcttag tgggcgaaat 120
attatgcttt gttgtttgga tatatggagg atggggatta ttgctaggat gaggatggat 180
agtaataggg caaggacgcc tcctagtttg ttagggacgg atcggagaat tgtgtaggcg 240
aataggaaat atcattcggg cttgatgtgg ggaggggtgt ttaaggggtt ggctagggta 300
taattgtctg ggtcgcctag gaggtctggt gagaatagtg ttaatgtcat taaggagaga 360
aggaagagaa gtaagccgag ggcgtctttg attgtgtagt aagggtggaa ggtgatttta 420
tcggaatggg aggtgattcc taaggggtg gttgatcccg tttcctgcca agaataagaa 480
gtggaatgct gctagggctg cattaatgaa ggccaagatg aaatgaaagg taaanaatcn 540
ngtgangggg gactgctact gatancctct caaatcatga ataggntgtc c 591

<210> 494
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

<400> 494
ggtacttttt ttttttttt ttttttttt ttttttagnt catgtctttt attaactcat 60
acagttactt gtcttctggt ttgttgaaac agtaagtcan acaacatttg ccacaataat 120
gtctgtcaaa gtgacttgcc ataaacaccc cagcaccaca ttcatcanaa gggcactctc 180
gacgaaggcg actaattttg ccattctcat ccaccttata atatttcagg acagccagct 240
taaccttctt tctcttgtgc ttattcttct tgggagnggt gtaagacttc ttcttccttt 300
tcttagcacc accacgaagt ctcaacacaa gatgaagagt agactccttt tgaatattgt 360
aagtcagaca aagt 374

<210> 495
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(597)
<223> n = A,T,C or G

<400> 495
actgggagaa ggtgctgacg ccgacgaagt ggtggatggg cttcccgctg caggtgaacc 60
tcctggtgcc atcctgcagg gtcccccgag gattgcctag atcatttttc aagcagtagt 120
tgctttctgg gtttttacaa attctgcatt ttccacactg aggagtaaag agcgggatga 180
ctttatcacc tggtttgact gtagtcaccc cttctccaac actttccacg atgccggctg 240
cctcatggcc taaaatcaca ggaaggggag tcaccaggtt gccactaacc acatgctcat 300
ctgaacgaca gattcctgca gccaccatct taatgcgaac ttcatgagcc ttaggaggtg 360
caacctctac ctcctcaatg gaaaagggtt tctttaactc ccatagcaca actgctttgc 420
atttgattac ctgtaaactc agctacttgt gaaggctgag gcanganaat actttgaacc 480
ccggaaggca aaggttgcaa tgagccnana acaccattgn acttccanct gggcaatana 540
aaaaaactca tttttcctgc tggctcaaat gatctgcttc ttgcaaacaa gagntgn 597

<210> 496
<211> 604
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(604)
<223> n = A,T,C or G

<400> 496
ggacgcgggt gctgactgca tagctctttt tcttgagagg ctctccattt tgattcagaa 60

agttagcata tttattacca atgaatttga aaccagggct ttttttttt tttgggtgat 120
gtaaaaccaa ctccctgcca ccaaaataat taaaatagtc acatttatct ttattaggta 180
atcacttctt aattatatgt tcatactcta agtatcaaaa tcttccaatt atcatgctca 240
cctgaaagag gtatgctctc ttaggaatac agtttctagc attaaacaaa taaacaaggg 300
gagaaaataa aactcaagga gtgaaaatca ggaggtgtaa taaaatgttc ctcgcattcc 360
cccccgcttt ttttttttt ttgactttgc cttggaaagc cagagcttcc cgcattttct 420
ttactattct ttttaaaaaa agtttcactg ngtaaaagaa catatttgcc taaacatang 480
tcaattatat gtctccatta naaaaaaata attggnaaac attgtctana actagttcca 540
aaataattaa gggggaaatc tntaatnttt ttaaagtgcc naaanaatgc ctaanttaaa 600
antt 604

<210> 497
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 497
acattaatga aatgtttcca aagaaatact gaacaatata tactctagtt tgctgaggtt 60
ccagctcgag ttcaaaccta attcttgtgc aataaaaatc agcatggatc ttagatgatc 120
tagaatacac tgtgttttga aatccacagc tggtttcatt tttaaccatt atgaaaaacc 180
agtacttttt ttttttttt ttttttttc nctnggacca taaattttta ttggcaggtc 240
aggaaaaaag ccgggggtaa gggtcccttc cttcccatcc ctctacccan aanacaccct 300
ccaaaggaca gcagaagccc cagagcctgc tgcctcagag gaccttggag gcagacaaat 360
tgttgtagng atcttcctgt ccctcaanca ggctgcggta ggtggnaatc tnctgctcca 420
gccgcgactt gatgtccatg aaccgctggt cctcggccgc gacaccctta nggcgaattn 480
caccnactgg gnggcgttct agtggatccg actcggacca acctngcgna atcatggcan 540
actggttnct gnnggaaatg gtttccctnc aattccccaa cataccn 587

<210> 498
<211> 354
<212> DNA
<213> Homo sapiens

<400> 498
acgcgggcaa taaagctaaa actcacctga gttgtaaaaa actccagttg acacaaaata 60
gactacgaaa gtggctttaa catatctgaa cacacaatag ctaagaccca aactgggatt 120
agatacccca ctatgcttag ccctaaacct caacagttaa atcaacaaaa ctgctcgcca 180
gaacactacg agccacagct taaaactcaa aggacctggc ggtgcttcat atccctctag 240
aggagcctgt tctgtaatcg ataaaccccg atcaacctca ccacctcttg ctcagcctat 300
ataccgccat cttcagcaaa ccctgatgaa ggctacaaag taagcgcaag tacc 354

<210> 499
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(632)
<223> n = A,T,C or G

<400> 499
nccgaggtac caactgcact cgttttggca ttgcagctaa atatcagttg gatcccactg 60
cttccatttc tgcaaaagtc aacaactcta gcttaattgg agtaggctat actcagactc 120
tgaggcctgg tgtgaagctt acactctctg ctctggtaga tgggaagagc attaatgctg 180
gaggccacaa ggntgggctc gccctggagt tggaggctta atccanctga aaagaaacct 240
ttgggaatgg atatcaaaag aattggcctt aatatatttc cattgngacc agcagcaggc 300
ttttttccc ccagaagatg atcaaaacaa aaggatgatc tcaacaagaa ctgtatttta 360
aagtatttaa ganagtcttt ggtaactngg ttctaagtng gtatctaatt acccaatgct 420
gcagtcctgc agtccctatt cattanttaa atgtatttaa ctggtaaatg ccctncccnc 480
cataatgaaa tagancctttt ttgaaaaccc aaaaaaaaaa aaaaaaaaaa aaaaaagtcc 540
ctgcccggcc ggccctcaaa nggngaattc cannccctgg gggccgtact aanggatccn 600
cccggnccaa cttggggaat atgggntant gn 632

<210> 500
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

<400> 500
tccagcggnc cgccgggcng gtcatctata aaaggaaaag tgatggcatc tatatcataa 60
atctcaagan gacctgggag aagcttctgc tggcagctcg tgcaattgtt gccattgaaa 120
accctgctga tgtcagtgtt atatcctcca ngaatactgg ccaaanggct gtgctgaant 180
ttgctgctgc actggaacca ctccaattgc tggccgcttc actcctggaa ccttcactaa 240
ccagatcagg caaccttccg ggaccacggn ttnttgtggt tactgacccc aaggctgacc 300
accaacctnt cacggaggca ttttatgtta acctacctac cattgcgctg tgtaacacaa 360
gattcttctc tgcctatgtg gacattggca ttccatgcaa caaccaaggg gagctcactc 420
aatgggtttg atgtggtgga tctgctcggg naagtctgcg catgcctggc accatttccg 480
tgaacaccat ggagggatgc ctgattttac cttggccgga cacnctangg cgaattcacc 540
acttggngcc gtatantgga tccactcgga ccaacttggg naaaatggca naatnttccg 600
gggaaatgat ccctccaan 619

<210> 501
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 501
accacactga gatagtgttt gccaggacct cccctcagca gaagctcatc attgtggaag 60
gctgccaaag acagggtgct atcgtggctg tgactggtga cggtgtgaat gactctccag 120
ctttgaagaa agcaaacatt ggggttgcta tggggattgc tggctcagat gtgtccaagc 180

aagctgctga catgattctt ctggatgaca actttgcctc aattgtgact ggagtagagg 240
aaggtcgtct gatctttgat aacttgaaaa aatccattgc ttatacctta accagtaaca 300
ttccccgaga tcacccgtt cctgatattt attattgcaa acattccact accactgggg 360
actgtcacca tcctctgcat tgacttgggc actgacatgg gtnctgccat ctcctggctt 420
atgagcaggc tggagggcat catgaanaaa cagcccaaaa tccaaacaga caacttgtga 480
atgancnggt gatcacatgg ctatggcaga atggatgatc nagncctggg aggttcttac 540
ttacttggaa tctgntgaaa cggttcttcc aatacctntt ggcctccatg gntggaanac 600
cctga 605

<210> 502
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 502
acatcttgct ggaaaatgct gcccagggct ctggagacgg tggctgcccg ggctcccttc 60
actgtccagg tcctgaaaga ctcttgttca tgaactgtct cttcacaaag caagtccacc 120
acttgctggg tttatcattc tgagggtcga aaactttctc acaaagtctc agtccagtct 180
cttgccttag ctgttgtaaa taggctctca tcacttcatc ttctgtttgt ttgcaggttt 240
ggcataaatt gcgttaagtg gaaaaccagg ctctccagga atgggaaaat taagtgattc 300
ccagcgtata catttctttc tcaccttggc ttttggaatt gcacttttgc agtttcttca 360
nacattcaga aatgtagaga gttatatata tcaangncct atcaacttca ttcttaattt 420
cataagtttt gaaaaaaaca ttggcccttg aagtaataaa tngntttatt cccaaaatct 480
ggatcntttg gcnctctngg ggcangnccc ttgaaatgac ttttgatagg gaacaangcc 540
ctggtttcca nnagnttggg ttcnggaccn taaaaaaaaa gggaanccgg nttttggngg 600
gcccggttta acccaagggc cggancn 627

<210> 503
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 503
ggtacattag tagagctctc caatcacagg cagacgccag tgtcctatga ccaggggca 60
aatatggcca aacagattgg agcagctact tatatcgaat gctcagcttt acagtcggaa 120
aatagcgtca gagacatttt tcacgttgcc accttggcat gtgtaaataa gacaaataaa 180
aacgttaagc ggaacaaatc acagagagcc acaaagcgga tttcacacat gcctagcaga 240
ccagaactct cggcagttgc tacggactta cgaaaggaca aagcgaagag ctgcactgtg 300
atgtgaatct ttcattatct ttaatgaaga caaaggaatc tagtgtaaaa aacaacagca 360
aacaaaaagg tgaagtctaa atgaagtgca cagccaaagt catgtatcca gaggcttang 420
aggcgtttga gangatactc atctttttgg aatnctgcct taggttcggc atgtanacca 480
agtgatgaga agtgaatcca tggaagagtt ttaatgtgac ttggaaaata tgccaaaaaa 540
tgagagatcc aataacttna ggaaaataag ggggatccaa tncctncccg gcggcccttа 600

ggggaattca aacactnggg gcggtatan 629

<210> 504
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 504
acgcgggagc tgagtgtccc gcggggcccg aagcgtttac tttgaaaaaa ttagagtgtt 60
caaagcaggc ccgagccgcc tggataccgc agctaggaat aatggaatag gaccgcggtt 120
ctattttgtt ggttttcgga actgaggcca tgattaagag ggacggccgg gggcattcgt 180
attgcgccgc tagaggttaa attcttggac cggcgcaaga cggaccagag cgaaagcatt 240
tgccaagaat gttttcatta atcaagaacg aaagtcggag gttcgaagac gatcagatac 300
cgtcgtagtt ccgaccataa acgatgcccg accggcgatg cggcggcgtt attccatgac 360
ccgncgggca gcttccggga aaccaaagtc tttgggttcc ngggggagta tnggtgcaaa 420
aaaaaaaaaa aaaaaaaaaa gtcctnggnc gcgacccccc aa 462

<210> 505
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(628)
<223> n = A,T,C or G

<400> 505
actttttttt ttttttttt tttgggggag gttatatggg tttaatagtt tttttaattt 60
atttaggggg aatgatggtt gtctttggat atactacagc gatggctatt gaggagtatc 120
ctgaggcatg ggggtcaggg gttgaggtct tggtgagtgt tttagtgggg ttagcgatgg 180
aggtaggatt ggtgctgtgg gtgaaagant atgatggggt ggtggttgtg gtaaacttta 240
atagtgtagg aagctgaata atttatgaag gagaggggtc agggttgatt cgggaggatc 300
ctattggtgc gggggctttg tatgattatg ggcgttgatt agtantaatt actggttgaa 360
cattgtttgt tggtgtatat attgnaattg agattgctcg ggggaatang ttatgtgatt 420
aggaataggg ttangatgag tgggaagaaa aaaagaaagg aantaaaagt ttaattattc 480
ccttttttggg ttgaagngat natggaaggg gaaaatttgg gccttgaaat tgtttaagta 540
atacttttct aataaggtaa gtctagaaga atagggcngg ttttggtctt aaaaaggcta 600
aaaggggatt ggcggggtgg atccnccc 628

<210> 506
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(612)

<223> n = A,T,C or G

<400> 506
acggtagaac tgctattatt catcctatgt gggtaattga ggagtatgct aagattttgc 60
cgtagctggg tttggtttaa tccacctcaa ctgcctgcta tgatggataa gattgagaga 120
gtggggagaa ggcttacgtt cagtgaggga gagatttggt atatgattga gatgggggct 180
agtttttgtc atgtgagaag aagcaggccg gatgtcagag gggtgccttg ggtaacctct 240
gggactcaga agtgaaaggg ggctattcct agttttattg ctatagccat tatgattatt 300
aatgatgagt attgattggt agtattggtt atggttcatt gccggagaag tatattgttg 360
aagaggatag ctattagaag gattatggat gccgttgctt gcctgaagaa atacttgatg 420
gcagcttctg tggaaccaag gtttatttttt ttggntagaa ctggaataaa acctacatgt 480
ttatttctan gccactcagg taaaaaatca tgcnaactta acccttgata atgtgcctcc 540
aaaatgtaaa aaaataacgg ttggcccggg ataatcccgt ncttggccga ccccctaggn 600
aattcccccc tg 612

<210> 507
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 507
ggtactacgt tgtagcccac ttccactatg tcctatcaat aggagctgta tttgccatca 60
taggaggctt cattcactga tttcccctat tctcaggcta caccctagac caaacctacg 120
ccaaaatcca tttcactatc atattcatcg gcgtaaatct aactttcttc ccacaacact 180
ttctcggcct atccggaatg ccccgacgtt actcggacta ccccgatgca tacaccacat 240
gaaacatcct atcatctgta ggctcattca tttctctaac agcagtaata ttaataattt 300
tcatgatttg agaagccttc gcttcgaagc gaaaagtcct aatagtagaa gaaccctcca 360
taaacctgga gtgactatat ggatgccccc caccctacca cacattcgaa gaacccgtat 420
acataaaatc tagacaaaaa aggaaggaat cgaaccccccc aaactgggtt nagccaaccc 480
catgggcttc acgacttttt tataaaaaaa aaaaaaaaaa aaaagtcctg gcccgggngg 540
cggtcanggn gaaattcaac nactgggngg cggtctaang ggtccaactc gggnccaacc 600
tgggggaaaa tgggaaagtg gttcctgggg aa 632

<210> 508
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

<400> 508
cggtcctcta atgctgctcn cccggccgca ntgtgattgg atatcttgca gaattcgccc 60
ttagcgtggt cgccgggccg aggtacaact tccaaaaagg agacattgga gaanaaccaa 120
gctgggtcta taaggaattg cacatgagat ggcacacata tttatgctgt ctgaaggnca 180
cgatcatgtt accatatcaa gctgaaaatg tcaccactat ctggagattt cgaccgtgtt 240

ttcctctctg aatctgttat gaacacnttg gttggctgga ttcantaata aatatgtaag 300
gccttttctt tcaaaaaaaa aaaaaaaaaa aaaagt 336

<210> 509
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = A,T,C or G

<400> 509
ggtacttttt ttttttttt ttttttttta tagatacaat tggcttttat ttgtgattca 60
tgagtcaggg cagtttccat tctgcaaaat atagtgatag ctcctactgg gcaatacaac 120
agtanaacag tgggttttgt aaaatgggaa tccaggaaca gaagaatata aataaattga 180
tttaaataaa ctgattggtt aatttcagaa tacttcatat tacttttttc taagagttaa 240
agcagaaagg actttcttac tgtgctgact canacagcct ggactctcat gtttttagga 300
aaattttgct gttctgggat ctacctgctt cctcatgttt cagtgngagt atatggcatt 360
taacatgact ggctccattc tggagtccca ggctgtccct aaatgagaag ttgactaaac 420
ataaggnatt aacactactg ncaggtacca tcattttggc ttncatcatt catanggtat 480
gatgncccnc naatcatacc tttatttgag tttttgncat tccnncccaa aaaaaaaatt 540
ttgaanttta ccaaaggntg catgccacnt ttaaagggtt anaaaatcnc cccnccnggn 600
actaatnttg ggccatcngn nggc 624

<210> 510
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

<400> 510
acggatgcta cttgtccaat gatggtaaaa gggtagctta ctggttgtcc tccgattcag 60
gttagaatga ggaggtctgc ggctaggagt caataaagtg attggcttag tgggcgaaat 120
attatgcttt gttgtttgga tatatggagg atggggatta ttgctaggat gaggatggat 180
agtaataggg caaggacgcc tcctagtttg ttagggacgg atcggagaat tgtgtaggcc 240
aataggaaat atcattcggg cttgatgtgg ggaggggtgt ttaangggtt ggctagggta 300
taattgtctg ggtcccctaa gaggtctggt gagaatagtg ttaatgtcat taangagaga 360
aagaaaaaaa ataagcccga gggcgtcttt gattgtgtan taaaggtgga angtgatttt 420
atcngaatgg gaagtgattn ctaaggggtt ggtttgatcc ctttcgtgcc aaaataagaa 480
gnggaatgct gctagggctc cataatgaag gcaanataaa atgaaagnaa aaaatctgta 540
aggnnggact gctactaata ncctcccaaa tcttgaacaa gntttnccaa ttntggatgg 600
nggtataant tnaattcnn 619

<210> 511
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

<400> 511
cgaggacgcg gggagatggc ctagaagcaa tgatagccat cactgagaac acctagcacc 60
caatcttggt tcctaatacc attctcccat caaaggaacc agagatcctt ggagaaatgg 120
ttaaggaatg aggcaggaaa tatacaagat aagcctggag catcttatag ctctagaaag 180
taagaaagta cctgcctatt ttagaatcct agagaacatt tcattgtaag aaactagccc 240
attatttaag tgtccacagt atttttcatt tcagtggtcc aagatgcgaa ggtttccaga 300
cacaatcttg ttctctaata ctgctccagg tgggatatca attctgtccc catgatttgc 360
aatgatgata cccgttccct ttaatgaaac attttttnca aatgtcacat cttctgaaac 420
tgngaggnga tccaattcaa gcatatctgg gntactttcc aaatcntctt agataatctt 480
gaaccttcgt aaaagaactg gctaattaan ccanggccct gnaggaaatt ccccttttcc 540
tcattggcag anancctgca ttaaantntt aagggttgnn ttnccnccan aaactgtgtg 600
gtttgnaggc aaaaaacggt cttgggcatt ancc 634

<210> 512
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(623)
<223> n = A,T,C or G

<400> 512
ggtacgcggg cattgttcat gactttaaca agaaacttac agcctattta gatcttaacc 60
tggataagtg ctatgtgatc cctctgaaca cttccattgt tatgccaccc agaaacctac 120
tggagttact tattaacatc aaggctggaa cctatttgcc tcagtcctat ctgattcatg 180
agcacatggt tattactgat cgcattgaaa acattgatca cctgggtttc tttatttatc 240
gactgtgtca tgacaaggaa acttacaaac tgcaacgcag agaaactatt aaaggtattc 300
agaaacgtga agccagcaat tgtttcgcaa ttcggcattt tgaaaacaaa tttgccgtgg 360
aaactttaat ttgtcttgaa cagtcaagaa aaacattatt gaggaaaatt aatatcacag 420
catacccccc cctttacatt ttgngcagng gatatttttt aaagcttctt tnatgtaagt 480
agcaacangg ntttactatc tttcatttca taaatcaatt aaancnttnc ctcaaaaaaa 540
aaaaaaaaaa aaaaatacct ncccggcggc gctccaaagg ggaattcaan caccggnggc 600
cgtctttggg accaacncgg gcc 623

<210> 513
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(623)
<223> n = A,T,C or G

<400> 513

actgccctct ccagatcagc agttcaggag agcacaggag gcaaaacaca gattgctggg 60
cttattggtg ccatcatcgt gctgattgtc gttctagcca ttggatttct cctggcacct 120
ctacaaaagt ccgtcctggc agctttagca ttgggaaact taaagggaat gctgatgcag 180
tttgctgaaa taggcagatt gtggcgaaag gacaaatatg attgtttaat ttggatcatg 240
accttcatct tcaccattgt cctgggactc gggttaggcc tggcagctag tgtggcattt 300
caactgctaa ccatcgtgtt caggacccaa tttccaaaat gcagcacgct ggctaatatt 360
ggaagaacca acatctataa gaataaaaaa gattattatg atatgtatga gccagaagga 420
gtgaaaattt cagatgtcca tcttctatct actttgcnaa cattggnttc tttaggcngg 480
aacttatcga tgctggtngg ctttagtnca ctttgnaatt tacgcaagcc ccacaaactt 540
tgaggaaatc ccaaactgcn aancangntt nttcagtggt acccaanggt ttttttttcct 600
tggcccgacn ccctangnga atn 623

<210> 514
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 514
ggtactcatg cccgactgtc taccaggcac acagactttg aggagagggc gtatgtcgtc 60
ttgatccgca tcaatgatgg gggtcggcca cccttggaag gcattgtttc tttaccagtt 120
acattctgca gttgtgtgga aggaagttgt ttccggccag caggtcacca gactgggata 180
cccactgtgg gcatggcagt tggtatactg ctgaccaccc ttctggtgat tggtataatt 240
ttagcagttg tgtttatccg cataaagaag gataaaggca aagataatgt tgaaagtgct 300
caagcatctg aagtcaaacc tctgagaagc tgaatttgaa aaggaatgtt tgaatttata 360
tagcaagtgc tatttcagca acaaccatct catcctatta cttttcatct aacgtgcatt 420
ataatttttt aaacagatat tccctcttgt cctttaatat ttgctaaata tttctttttt 480
gangnggagt cttgctctgt cgnccaagct ggantacctg ncccggccgg ccgtcaaagg 540
cgaattcaac aactggcggc cgtactaatg gatcgacctc ggaccaactt ggggaacatg 600
gcanactngt tcctgngnaa aggatcc 627

<210> 515
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = A,T,C or G

<400> 515
accattggtg gccaattgat ttgatggtaa gggagggatc gttgacctcg tctgttatgt 60
aaaggatgcc gtanggatgg gagggcgatg aggactagga tgatggcggg caggatagtt 120
cagacggttt ctatttcctg agcgtctgag atgttagtat tagttaagtt ttgttgtgag 180
tgttaggaaa agggcataca ggactaggaa gcagataagg aaaatgatta tgagggccgt 240
gatcatgaaa ggtgataagc tcttctatga taggggaaag taancgtctt gtanacctac 300
ttgcgctgca tgtgccatcc cgccgtaccc taacccgtgc aaaggtagca taatcacttg 360
ttccttaatt aagggacctg tatgaatggc ttcaccaggg ttcaactgtc tcttactttt 420

aaccagtgaa attgacctgc ccctgaanag gcggcnttac acaccagacg agaaaacctt 480
tggagcttaa ttattatcca acatacctng ccggaccccc taaggcgaat tccaccactt 540
gcggcgtcta tggatccact cggaccactt ggggaaaagg ctactgtcct ggnaatgttt 600
cctcn 605

<210> 516
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 516
ggtacaacta atccgtgaca aattaccaga ttaattttac tttatttctt caggcctggg 60
gtttttcgat gagttcaaat ttgggatctt caaatttgaa ggtgggaaat gtattcatgt 120
ctgcattacc aaacatttgc ttgagcttaa aaagctccct ctccagctct tgctgatact 180
ctgaactagc atcaacaggt cctccagatg tctgtcgctt agatttgtat tctctaatct 240
tgtccacaaa gagtttctgt ataggatcaa gttccttatt aaatgccact gctgtaacac 300
caatgttcct ccgcaaatgg actgagacgg ctgaccgaat gacagaggag aacctgaaga 360
gcctctgaag aatcatgctg attcttgcac tcagtcccga gctgncaaag ccttcgccgc 420
caccaccttc gntctacccc cgcgtacctg cccggcgggc gctc 464

<210> 517
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 517
acccggagca cggagatctc gccggcttta cgttcacctc ggtgtctgca gcaccctccg 60
cttcctctcc taggcgacga gacccagtgg ctagaagttc accatgtcta ttctcaagat 120
ccatgccagg gagatctttg actctcgcag gaatcccact gttgaggttg atctcttcac 180
ctcaaaaggt ctcttcagag ctgctgtgcc cagtggtgct tcaactggta tctatgaggc 240
cctagagctc cgggacaatg ataagactcg ctatatgggg aagggtgtct caaaggctgt 300
tgagcacatc aataaaacta ttgcgcctgc cctggttagc aagaaactga acgtcacaga 360
acaagagaag attgacaaac tgatgatcga gatggatgga acagaaaata aatctaagtt 420
tggtgcgaac gccattctgg gggtgtcctt tgccgtctgc naaactggtg ccgttgagaa 480
gggggtcccc tgtccttggc cggacacnct aaggcgaatt ccacacactg cggccgtact 540
atggatcgac tcggnaccaa cttgggtaat atgggcatac tggtnctggn gaaatgtttc 600
cctccaatcc a 611

<210> 518
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 518
cgaggtactt tnttttttnt ttttttttnt ttttaagagg aaaacccggt aatgatgtcg 60
gggttgaggg ataggaggag aatgggggat aggtgtatga acatgagggt gttttctcgt 120
gtgaatgagg gttttatgtt gttaatgtgg tgggtgagtg agccccattg tgttgtggta 180
aatatgtaga gggagtatag ggctgtgact agtatgttga gtcctgtaag taggagagtg 240
atatttgatc aggagaacgt ggttactagc acagagagtt ctcccagtag gttaatagtg 300
gggggtaagg cgaggttagc gaggcttgct agaagtcatc aaaaagctat tagtgggagt 360
agagtttgaa gtccttgaaa gaggattatg atgccactgt gaatgccttc ctagtttgag 420
tttgctagcc cgcgt 435

<210> 519
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 519
actttntttt ttttttttnt ttttttttnt ncagctttgc aaccatactc cccccggaac 60
ccaaagactt tggtttcccg gaagctgccc ggcgggtcat gggaataacg ccgccgcatc 120
gccggtcggc atcgtttatg gtcggaacta cnacggtntn tgatcgtntt cnaacctccg 180
actttcgttc ttgattaatg aaaacattct tggcaaatgc tttcgctctg gtccgtnttg 240
cgccggtcca anaatttcac ctctagcggc gcaatacnaa tgcccccggc cgtccctctt 300
aatcatggcc tcagttccga aaaccaacaa aataaaaccg cggtcctatt ccattatgcc 360
tagctgcggt atccaggcgg tccccggtac ctnggccgng accacgc 407

<210> 520
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 520
accttctggg gcatacaaca tggcagcagg gcctcgggaa gaggggtagg aggaccgagc 60
agcattctct gtagaggaag acaggaaagg agaccctctt ggcacacatt tatggagggt 120
tgtccctgaa gagaagggca ggtgggagag gttccctgtt acttaagaga aggcaccagt 180
ggcaaagagc acaatgaaga ggatgatgat aaaaacaatc acgcagataa ggacaatcat 240
cttcacgttc ttccaccaga attttcgagc caccttctgc gatgtcgtct tgaagtgctc 300
agatgtggct tccagatcct ctgtcttgtt gcggagatgt tccaagtttt ccccccgggc 360
caggatccgc tccacattct gggtcataat attcttaact ccctccacct cactttgcag 420
gttccgcaca cgatcatttc cttcaccttc actggcttnc tncatgtctc aaagcaccca 480

gccggcagta agtgaatcgc ctatcggntt cttccaggng ggcctanttn anttctggtg 540
gtcaactttc cccgcgtact tgggcggacc ccctaagggg aattcactgg cggccgtctt 600
tggatccacc cgn 613

<210> 521
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 521
actgcagtaa aagctttaac aggtggaatt gcccacttat tcaaacagaa taaggttgtt 60
catgtcaatg gatatggaaa gataactggc aaaaatcaag tcactgctac gaaagctgat 120
ggcggcactc aggttattga tacaaagaac attcttatag ccacgggttc agaagttact 180
ccttttcctg gaatcacgat agatgaagat acaatagtgt catctacagg tgctttatct 240
ttaaaaaaag ttccagaaaa gatggttgtt attggtgcag gagtaatagg tgtagaattg 300
ggttcagttt ggcaaagact tggtgcagat gtgacagcag ttgaattttt angtcatgta 360
ggtggagttg gaattgatat ggagatatct aaaaactttc aacgcatcct tcaaaaacag 420
gggtttaaat ttaaattgaa tacaanggta ctggtgctcc aagaagcana tggaaaaatt 480
gatgttctat tgaanctctt ttgngggaaa gctgaantnt acttggatgn cctnggccgn 540
acncnctagg caatccncca ctggngccnt ntttggtccn cctggtccaa ctgggnnann 600
nggctn 606

<210> 522
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(617)
<223> n = A,T,C or G

<400> 522
acttgcgctt actttgtagc cttcatcagg gtttgctgaa gatggcggta tataggctga 60
gcaagaggtg gtgaggttga tcggggttta tcgattacag aacaggctcc tctagaggga 120
tatgaagcac cgccaggtcc tttgagtttt aagctgtggc tcgtagtgtt ctggcgagca 180
gttttgttga tttaactgtt gaggtttagg gctaagcata gtggggtatc taatcccagt 240
ttgggtctta gctattgtgt gttcagatat gttaaagcca ctttcgtagt ctattttgtg 300
tcaactggag ttttttacaa ctcangtgag ttttagcttt attggggagg gggtgatcta 360
aaacactctt tacgccggct tctattgact tgggttaatc gtgtgacccg cggtggctgg 420
cacgaaattg accaaccctg gggttagtat aacttaatta aactttcntt attgctnaag 480
gtaatcctgg tggttnccct gggggngtng ntaggctaaa cgtttgaacc tcattctgcg 540
gcctganctt ggccctttta tcgggggatt aaaaggggac tncttgaacn gggngcttct 600
tggnaaatta taaaaca 617

<210> 523
<211> 608
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 523
cgaggtactt ttttttttt ttttttttt ttttggaana agtaagcctt tatttccttg 60
ttttgcaaat aaaactggct aagttggttg ctttttggtg attaagtcaa aganaccaaa 120
tcccatatcc tcgtccgact cctccgactc ttccttggct tcaaccttan ctggggctgc 180
agcagcagca ggagcagctg tggtggtagc aaccacaggg gcagcancca caaaggcaga 240
tggatcaacc aanaaggcct tgacctttc aacaagtggg aaggngtaat ccgtctccca 300
aacaaagtca ggactcgttt gtctcttcaa aaaaaaaaag cganggctcg catttggtcc 360
cctttggaca ttttgcaact cttcaatggg gttncattgg tnggtgatgg tataaacctt 420
tgangnacct gcccggccgg ccgtcaaang gcaaattcac ccactggcgg ccgttctatg 480
gatccnaccc ggncccaact tgggtaatat ggcanactgt tcctggggga aatgtntccc 540
tnaaattccc acaaanacaa nccgaaccta aangtaancn gggggccaag agggcnaccn 600
ccttattg 608

<210> 524
<211> 398
<212> DNA
<213> Homo sapiens

<400> 524
ggtacaggat cctctaaaga gaccgcctgg ctgggtgctc aaaccacatg ggccgaccca 60
aaagacgtca aaaccaagag ctgctcagga ggcactaaat gttgacggtc ttggccggct 120
tcacatcctc aatttcagca gacagccagc ggtaagtgcg atgacgccgc agcacctcaa 180
tggccttgag ttccagtggt gttgcctgaa taccaaggtc ttctaagcca ggcaggtgag 240
gcaatttcat gtctgtgatg tgcatccgct ccactttatc ccttgttatc cagggctcaa 300
atgggcttat ttcaaagact cttgctaccc atcgataggc aaaaagcggc aaggggaatg 360
ggaggaacaa tctgtgagcc acaacaaaga tgtacctg 398

<210> 525
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 525
actgttcctg ttggcccgag tggagactgg tgttctcaaa cccggtatgg tggtcacctt 60
tgctccagtc aacgttacaa cggaagtaaa atctgtcgaa atgcaccatg aagctttgag 120
tgaagctctt cctggggaca atgtgggctt caatgtcaag aatgtgtctg tcaaggatgt 180
tcgtcgtggc aaccgttgct ggtgacagca aaaatgaccc accaatggaa gcagctggct 240
tcactgctca ggtgattatc ctgaaccatc caggccaaat aagcgccggc tatgcccctg 300
tattggattg ccacacggct cacattgcat gcaagtttgc tgagctgaag gaaaagattg 360
atcgccgttc tggtaaaaag ctggaaaatg gccctaaatt cttgaaatct ggtgatgctg 420
ccattggtga tatgggtcct ggcaagccca tgtgtgtttg agagcttctc aaactattca 480

ccttgggtcc tttgctgtcg tgatatgaaa aaacagtgcg ggggtgcatc aaacatggac 540
aaaagnttnt tgacttgcag gtaccaattt nccaaaacta aaaggtnaan aaatttncca 600
aaccgcc 607

<210> 526
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(624)
<223> n = A,T,C or G

<400> 526
cgaggtacgc gggggaagct ctgtttggtg ctttggatcc atttccatcg gtccttacag 60
ccgctcgtca gactccagca gccaagatgg tgaagcagat cgagagcaag actgcttttc 120
aggaagcctt ggacgctgca ggtgataaac ttgtagtagt tgacttctca gccacgtggt 180
gtgggccttg caaaatgatc aagcctttct ttcattccct ctctgaaaag tattccaacg 240
tgatattcct tgaagtagat gtggatgact gtcaggatgt tgcttcagag tgtgaagtca 300
aatgcatgcc aacattccag ttttttaaga agggacaaaa ggtgggtgaa ttttctggag 360
ccaataagga aaagcttgaa gccaccatta atgaattagt ctaatcatgt tttctgaaaa 420
tataaccagc ccattggcta tttaaaactt gtaatttttt taatttacca aaatntaaaa 480
tntgaagacn taacccagtt gncatctgcg tgacaatnaa acattaatgc tacactttta 540
aaaaaaaaaa aaaaaaaaaa gtcctgccng cggccctcaa aggggaattc cacacctggg 600
ggccgtcttt nggncccacc cgnn 624

<210> 527
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 527
acagagtgac actgaacaga tcacaaagca cgagaaacat tagttctctc cctccccagc 60
gtctccttcg tctccctggt tttccgatgt ccacagagtg agattgtccc taagtaactg 120
catgatcaga gtgctgtctt tataagactc ttcattcagc gtatccaatt cagcaattgc 180
ttcatcaaat gccgtttttg ccaggctaca ggccttttca ggagagttta gaatctcata 240
gtaaaagact gagaaattta gtgccagacc aagacgaatt gggtgtgtag gctgcatttc 300
tttcttacta atttcaaatg cttcctggta agcctgctgg gagttcgaca cagtggtttg 360
tttgttgctc cagatgccac ttcagaaaga tcctaaaata atctcctttc attttcaagt 420
agaacacctt actttctggt tgtgtagcat tgggaataaa atatttgtcc acagcttcag 480
aacatcattg cagatgtcct gcagtctggc tntatctttt acggnacctc ggccgggaca 540
ccctanggcg aattccacac ctggcggccg tctantggac ngctnggcca cttgggnana 600
tggctactgt t 611

<210> 528
<211> 615
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G

<400> 528
ggtacttttt ttttttttt ttttttttga gacggagtct tgttcagctg cccaggctgg 60
agtgcagtgg ctcgatcttc gctcactgca accaccgtct cctgggttca agcgattctc 120
ctgtctcagc ctcccaagta gctgggatta caggccacca ccatcatgcc cggctaattt 180
ttgtatattg gtagagacgg agtttcacta tgttgggcag gctggtcttg aactcctcac 240
ctcaggtgat ccgcccgtct tggcctccca aagtgctagg attacaggcg taagccacca 300
tgcctggcca gatgatgtat ttaaatatca taccaaactc tgtgtattta tataaagaaa 360
gactggtaaa agacttcctn attttaaaaa aaaccaaaac ccaaaccaaa aaaaacttta 420
cccttaccat tgntgcatat tgtgcagtat aaaacacaca cttattngga catganaaaa 480
ccgnaagaaa gncccgggta aactggactt tgccgccttt aaaaataaaa tcnaataagn 540
gccttgaggc ccttttttcaa tgcaattttt taacccggac ctgccnggng gcggtaaggg 600
naatccancn ctggn 615

<210> 529
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 529
cgaggtactt tnttttttttt ttttttttttt tttttgggaa aagtcatgga ggccatgggg 60
ttggcttgaa accagctttg gggggttcga ttccttcctt ttttgtctan attttatgta 120
tacgggttct tcgaatgtgt ggtagggtgg ggggcatcca tatagtcact ccaggtttat 180
ggagggttct tctactatta ggacttttcg cttcgaagcg aaggcttctc aaatcatgaa 240
aattattaat attactgctg ttagagaaat gaatgagcct acagatgata ggatgtttca 300
tgtggtgtat gcatcggggt agtccgagta acgtcggggc attcccccgc gt 352

<210> 530
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 530
ggtactgcat agattaaaga aataaactgc agtaaagcca ctcgtaagga atgaacgcca 60
ttgccaatga taatcctctg cacataggtg gaaatagcaa agaagtatag ttgcttcaga 120
acaggtaata accaaaatga taaacaccag aaataggaag ccaaacatgt aatacatctg 180
gtgtgaccaa atactattca gaatgaagaa aagttgtata aagatgcagc caaagggcaa 240

aatccctccc atgataatac caggcaaggg cttcgtgtag aacgactgtt caggaatctg 300
acngtggaat ctgattggtt cgaactgggt gttcaatggc atcttcttaa aaccaangta 360
tgcaccaata aacgtcnnag gcacagatat gtanaccaaa gggccaatat ggcaancagt 420
gtncccaaaa gaaatactgt tgganatcct ctncccagag gtcagattnt tattaagaat 480
cnccccgcgt ctttttttg ttttttttt gctccacttt nnggtaaann acntttnttt 540
aaaaatgttt aantctantt cctaattccc atnttctttn gctncnnnnc tgctggnggn 600
ctttaaggga antcnccnnt ggnggcgtcn atganccact tgnnactggn tantagcnac 660
gttcgggang ttcccncntt ctaatatccg gnagtaannc ggctttgncn cctantggnn 720
cngcttttcg aacntgcctn anannntccg gaggtgtatn ttcttctnn 769

<210> 531
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(777)
<223> n = A,T,C or G

<400> 531
cgaggtactt ttttttttt ttttttttt tgttttttt ttttttctt cagctaaaac 60
agcggaagag gtgatttatt atatggttgt tacactcggc cacaaataaa cacagaaata 120
gtccanaatg tcacaggtcc aggacagagg accaacatgg gcattttgtt tatgagcaag 180
gtgggtctna naggtgatcg gcgatcagag ggcgatgaag ttctagatcc attgagacaa 240
gctctagaca gtagcatgca gtcccacaac ttgtctccaa agattcaggt ttactcacgt 300
catccagcan agaatggaaa gtcaaatttc ctgaattgct atgtgtctgg gtttcatcca 360
tccgacattg aagttgactt actgaanaat ggagagagaa ttgaaaaant nggacattca 420
taactgnntt tcancaagga ctggtctttc tatctcttgg ncttnntttt tcttntattt 480
tttttntaca tngggcctta ctttaaaaac atacntttcc nnnttacncn tggatgccaa 540
tngatttcna nanatttccn agnggaatcc tttngttatt nttaaaantt gggatctntn 600
gccancactt ggctaantnt taccnnnctt nggaatngtc ntatgntcat tnttggaaat 660
tnccccccctn angnntttct ttnngngnta aaaattntta atnnttaaat tnttttcna 720
anattnntca aatactaana ntnntnnggg nttanannaa tnntgtanat gggnnng 777

<210> 532
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 532
actttacaag atagattgta taagaagcca aataatgaaa gcctagaaaa aactaattta 60
tacttatctg aaggttacaa attagacttt taaattttct ttgtagttgg tggtgtttga 120
gggttggcta gaaatgaaag cctggatttt gtgccatgtt tgtaatatag tttgttcctt 180
gatcaaataa tcagagaaaa gaaacttaaa gatctttgtc tgtgaagaag aaaattatct 240
ccctagttca atctgtagtg aaataagact acagaaggca ttgtttttc ctttttattt 300
tntgnattat atatttttct taaatatgtt ttattgtctt ctctaagcaa aaagttctta 360
ataaacatag tatttctctc tgcgtcctat ttcattagtg aagacatagt tcacctaaaa 420

tggcatnctg ctctgaatcc agcttttttat aaatggctat gtttttgatg atatgtcaca 480
ttcaaaatgg cctaattaaa tgtgttaaat gnaatggcac tcttataacc ttaaaataac 540
canaattaac cctccaaaaa aanaaaaaaa aaaaaggcct tggccgacnc ntangngant 600
caccnctgng gcntcatgga cncttggcca cttgngaann nggtnangnt ccggganatt 660
tccccatncc aattcancgg acatagnnac cnggccnaag ngnnccantg nngnnnnnct 720
tnnngaacng gccctnaacn cccggggngg tngttcnccc tcnc 764

<210> 533
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 533
cgaggtactt ttttttttt ttttacagat acaattggct tttatttgtg attcatgagt 60
cagggcagtt tccattctgc aaaatatagt gatagctcct actgggcaat acaacagtag 120
aacagtgggt tttgtaaaat gggaatccag gaacagaaga atataaataa attgatttaa 180
ataaactgat tggttaattt cagaatactt catattactt ttttctaaga gttaaagcag 240
aaaggacttt cttactgtgc tgactcagac agcctggact ctcatgtttt taggaaaatt 300
ttgtctgttc tgggatctac ctgcttcctc atgttcagtg tgagtatatg gcatttagca 360
tgactggtcc attctggagt caccaggctt gcacctaaat gagagttgac taancatagg 420
cnttaacact actgcagtac catcatttng acttcatcat catanggtat gatgncntct 480
aatnttncat tatttgagtt tggcattcag ccacgagaga atattgcctt tgacaatgnt 540
gcatgcaact ttaaaggttt tagatncgcc nccnggnact atttnngaaa tcgggggtcc 600
cccnanttgg agtttnacct ggcngaccnn tgacnaccat taaggantgt tagantnccc 660
ttgaaccccc tttacaccnt ttgnatttcc cggcntaacc ccgggcnnta agggatccnt 720
tggcntnngg cccngcnatn gaagnacntt ngannacgcc tccncaccan nng 773

<210> 534
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

<400> 534
acacagacaa atttatgcga ccagggcaga ggctgtagat gattcatatt tccaattggg 60
agggaggact cgcttggtct tataatatcg agccaaacgg tgaatccggc tctctattag 120
aatcagacgg aatttagcat ccttatcctt tctgttcctc tcaagatgct ttcgaacagc 180
aactgctttc ttaattaaat ggtagagatc ttcaggaaga tcaggagcaa gtcccttaga 240
cttaagaatt cttaaaattt tattgcctgt cacaaaacgt acaaattgac caggctgttg 300
acggctgcct ccacgtcggt ggaataattc tgacgaatct gggagctcat ggttggttgg 360
caagaaggag ctaccacaaa aacngtgctg caggtccaga agcaggagat ggccgaaaaa 420
tgtcccgaag ttcaaccgag aggaaatcga ggcggccgag cttgaagaag tcccgattgt 480
tcgtcaacct gtgaacagaa caaccccgga ccgcnantgc ccggtnctgg ccggacacct 540
angggaatcn accctgnggc gtctangacc acttggccaa ctgggannтg gaaatntccg 600

ggaaagntcn tcaatcccaa ttaccgacna agaactgggc naagggtcnc atatgggcnc 660
gccttnnnga nctnccctta annccccgga gggtgntggn tctcntctan nntnnngtgg 720
nggnnaanag 730

<210> 535
<211> 809
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(809)
<223> n = A,T,C or G

<400> 535
gcgtggtcng cggccgaggt accaactgca gagccaggaa aactttgaag ccttcatgaa 60
ggcaatcggt ctgccggaag agctcatcca gaaggggaag gatgtcaagg gggtgtcgga 120
aatcgtgcag aatgggaagc acttcaagtt caccatcacc gctgggtcca aagtgatcca 180
aaacgaattc acggtggggg aggaatgtga gctggagaca atgacagggg ataaagtcaa 240
gacagtggtt canttggaag gtgacaataa actggtgaca actttcaaaa acatcaagtc 300
tgtgaccgaa ctcaacggng acataatcac caataccatg acattgggtg acattgtctt 360
caagagaatc agcangagaa tttaaacaag tctgcatttc atattatttt antgntgtaa 420
aattaatgta attaaagtga actttgttta aaaaaagann nntnntntaa atanaaaaaa 480
gtnnctgcct ggcggccggt caaaggccaa ttccagcnac tngnggccnt actagtgatc 540
nactcgtcna acttgcgtaa nntggcatac ttgtnctngg taaatntatc cctcncatcn 600
ccaaattcnn ccgagcttaa atntaaactg gggcctatag gnncactcct tttggttgcn 660
ctgccnttnn acgaacttcg nccctttttat antgcccccc ganagggtng tttggctttc 720
ntntntatatt ctctctctcc ttgnnggttt ttanggtngg tcatntgggn tctntanttt 780
agcttngaan ntantngntn tttnttnnt 809

<210> 536
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 536
actttttttt ttttttttt ttttttttt atgaggaaaa cccggtaatg atgtcggggt 60
tgagggatag gaggagaatg ggggataggt gtatgaacat gagggtgttt tctcgtgtga 120
atgagggttt tatgttgtta atgtggtggg tgagtgagcc ccattgtgtt gtggtaaata 180
tgtagaggga gtatagggct gtgactagta tgttgagtcc tgtaagtagg agagtgatat 240
ttgatcagga gaacgtggtt actagcacag agagttctcc cagtaggtta atagtggggg 300
gtaaggcgag gttagcgagg cttgctagaa gtcatcaaaa agctattant gggagtanag 360
tttgaagtcc ttgagagagg attatgatgc nacttgtaat gcnttcgant ttgagtttgc 420
tagcngaata nnatgaggat gtantccngg gccaatatna aaatactccc cgtnaacttn 480
aggggttnga taaaatgctg tctacccnng actttgccgn acaccttagg caattcanca 540
ctggngccgt ctnanggncc cacttggncc acnttggnga acatggcnnc ngtcntngga 600
aatgtttcnt caattcccnc ttcnaccgan tantgnaacn ggggcanaag cncccatatn 660
gtccctccct tctngaactt nnccnttaaa tnccccggga gggttnatgg ctttctctnc 720

taananntnt tnngnggnnc tcnataanna taann 755

<210> 537
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 537
cgaggtacga aagggacaag agaaataagg cctacttcac aaagcgcctt cccccgtaaa 60
tgatatcatc tcaacttagt attataccca cacccaccca agaacagggt ttgttaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaagtac cttgactttg ttcacagcat gtagggtgat 180
gagcactcac aattgttgac taaaatgctg cttttaaaac ataggaaagt agaatggttg 240
agtgcaaatc catagcacaa gataaattga gctagttaag gcaaatcagg taaaatagtc 300
atgattctat gtaatgtaaa ccagaaaaaa taaatgttca tgatttcaag atgttatatt 360
aaagaaaaac tttaaaaatt attatatatt tatagcaaaa gttatcttaa atatgaattc 420
tgttgtaatt taatgctttt gaatacagag atntaaatga agtattatct gtaaaaatgt 480
atattagagt tgtgatacag agtatatttc attcanccat nttcatacta ataatatgga 540
tttaaanata tcctataaat tcnaattcaa nanaaannnt gntananaan aanggnctgn 600
cggcggcgca nggcaattca acaatgnggc gtctanggac nactggtcca cttgggaana 660
ggcaacttnc tgggaatgat ccttcattcc canntaccna gctanttaac nggggcaaag 720
ggcccnntta tgggnntngc ntntnnaant tgcccttaaa accccggngg gtgntggntc 780
tttnnntttn ngnt 794

<210> 538
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 538
ggtacgcggg ggaaggcctt ccttttтcgt ctgggctgcc aacatgccat ccagactgag 60
gaagacccgg aaacttaggg gccacgtgag ccacggccac ggccgcatag gcaagcaccg 120
gaagcacccc ggcggccgcg gtaatgctgg tggtctgcat caccaccgga tcaacttcga 180
caaataccac ccaggctact ttgggaaagt tggtatgaag cattaccact taaagaggaa 240
ccagagcttc tgcccaactg tcaaccttga caaattgtgg actttggtca gtgaacagac 300
acgggtgaat gctgctaaaa acaagactgg ggctgtccca tcattgatgt ggtgcgatcg 360
gctactacaa agttctggga aagggaaagc tccaaagcaa nctgtcatcg tgaaggccaa 420
atcttcacag aagagctgag gagaaaaata agantgttgg ggggcctgtg tctggtgctt 480
gaagcccatt ganggagttt aattaatgct actcttttga aaaaaanann aananaaaaa 540
gacctgcccg gcggcngtaa ggcaattcac cnttgngccg tctaaggacc actggccaan 600
tgggaanang gcnaanntcc tgggaatngt tcntcaattc cccaattaac caanaangna 660
acnnggcca nnnggcaccc ttatggntcc ctncctttng gaactngcct tttaatccnc 720
cngagggtnt tgctccttnt ntttntgnnt ggggtaatna aaagtn 766

<210> 539
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 539
accattggtg gccaattgat ttgatggtaa gggagggatc gttgacctcg tctgttatgt 60
aaaggatgcg tagggatggg agggcgatga ggactaggat gatggcgggc aggatagttc 120
agacggtttc tatttcctga gcgtctgaga tgttagtatt agttagtttt gttgtgagtg 180
ttaggaaaag gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc 240
atgaaaggtg ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgcgc 300
tgcatgtgcc cccgcgtact tgactttctt ttntatttnt tttattnttt ttgactactt 360
agaattttca caattctaat aagattgttc caagtctctc atgtgcaagc tttaaaggat 420
gactcttgcc atttatgtac ctcggncgcg accacgctaa gggcaaattc agcacacttg 480
cggncgttct aagtggatcc nagctcggtc caaccttgcg tatcatggca tactggtccc 540
tngtgaaatg tatcccttac aatcncacac atcnancccg aanctaaann taaanctggg 600
gccaataata ctactncata atgctcnctn ctgccnttca ncnggaacnt gtgcncttnt 660
tatnatggca acncggaagn gtggttggcc ttcctctcta aaacntgnng gntngttgga 720
agggganctct aggnnncggt ccaattggan ncgaaattnt agctntntac naaanatntt 780
tttttcncg 789

<210> 540
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 540
acttttaagg gcataataag ggttaacatt ctaggcagta taaacacacc ccataatgca 60
agtaataggt aatctagaga tgtggacttt attgctatat gggaattaca tttaaatttg 120
agggcatttt atataaagaa aaatacagac ctataaagtt tggcatattc attaagttat 180
cttttaatat ttttttctag aaaacaggtg acatttgtat ctacgataaa aatttttata 240
cagaacctac tgcctcaaac tgaatcccat caagaaaact agtttctatt gnattaagta 300
actcaaaata aattatcact tcgaaaactt gctttccaca ctaaggtaag tcagactaga 360
tgaacactcc agaattttta ctacagactg ttttaagtta gaagtgatgg caatttataa 420
attgagaata tcctccctga tgccctaact ggccaaacca aaatctaaga aagcagtgac 480
ncctcttact atnatgaact tctgaatang gtagggacct cctggcntan nnatgaaaan 540
ncctggccga ccccctaggg aatccncact gggggcctnn anggaccnan tggccaantt 600
gnnanngggn aangnncctg gnaatgtccn caattcncna atnccgncna aagtaacngg 660
gcccnggggn annnnnangn ngncnnccnn nnngaannng cccttnaann ncccgngggg 720
ggngggntct nnncnnnncc nnngggg 747

<210> 541
<211> 773

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 541
cgaggtacca tgaaatacat atatttcata aggttcagtt acaaaatgga ttgtttcaaa 60
tggcaatttc ttacactaac ctgattatga aaaaaagaag tctgtatcat ctgcttccaa 120
gtctgttatg tccaaatata ttttaattat gcatttattt tgctacttttt ataaatatta 180
gagatttcac cttaaattat ttttgtaact agttctagaa catgttttcc aattattatt 240
tttctaatgg agacatataa ttgacctatg tttatgcata tatgttctct acacagtgaa 300
actttttta aaaagaatag taaagaaaat gcggaagctc tggctctcca aggcaaagtc 360
aaaaaaaaaa aaaaagcggg ggggaatgcg aggaacattt tattacacct cctgatttca 420
ctccttgagt ttatttttctc ccttggttat tggttaatgc tagaaactgn attctaagag 480
agcatccttt tcaggtgacn tgataattgg aagatttgat ccttccgcga cctgnccggc 540
ggccgtcnaa nggcnattcc anccactggc ggcggtctaa nggatcnact tggnccacct 600
ggctaactgg caacnggtcc ngggngaaat gnatccttaa atccncactc nacccgacct 660
aangaactgg ggcaagggnc accctatggn gctcngcctt cnngaantnn ccnncttaan 720
aaccnggggn gntggnntct nnnnnannnn cnnnntgngg gnntaanaag ann 773

<210> 542
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 542
cgaggtactt ttttttttt ttttttttt ttttttttag aattctgaat tttattagag 60
aatatatcta aaatacaata tttattaagt tatgatatat tgnctgaatg gaaatatact 120
ctgnatcgca actctaatta taacaatttt tacagataat acttcattta tatctctgna 180
attcaaaagt cattaaatta caacagaatt catatttaag ataactttgc tataaatata 240
taataatttt taaagttttt ctttaatata acatcttgaa atcatgaaca tttatttttt 300
ctgggttaca ttcatagaat catgactatt ttacctgatt tgccttaact agctcaattt 360
atcttggcta tggatttgca ctcaccattc tactttccta tgtttaaaag cacattttag 420
tcacaattgn gagtgctcat caccctacat gctgtgacaa aggcaagggc ctgcccgggc 480
ggccgtncaa anggcgaatt ccncaactgg cggcggtcca agtggancga ctcggaccaa 540
ctngggaaca tggcaactgg tcccggggaa atggaaccgt acattcccca natcagccga 600
ncttaggtaa acnggggggcn aaggggggcta cncataatgg nggtccnccc ttcatngaac 660
cgngccctnn tatnatgcac cccggagggt nnttngcctc ctcntnnnnn ntcngntgtg 720
gagggagtcc nggggggtnc cangggggna aaaantgccn ngncccggng 770

<210> 543
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 543
accgcgggat gcccctcatt tacataaata ttatactagc atttaccatc tcacttctag 60
gaatactagt atatcgctca cacctcatat cctccctact atgcctagaa ggaataatac 120
tatcgctgtt cattatagct actctcataa ccctcaacac ccactccctc ttagccaata 180
ttgtgcctat tgccatacta gtctttgccg ctgcgaagca gcggtgggcc tagccctact 240
agtctcaatc tccaacacat atggcctaga ctacgtacat atgctaggcc atatggtaac 300
tctatgttta acattttgag gaactgccaa actgttttcc aaagtgacta cactatttta 360
cattcccacc ttgaaggtcc aatttctcga cattctacca acatgggtaa tggctgcttt 420
ttatttagca accttaatgg gtgtgaagag atactcaatg ggaatttgat tgattcccta 480
angctaatga tttggnttct ttctggctga ngccagagnt atctntttgg gaaaattatt 540
naancttgnc atttaacnng cngatttatn tgatntanaa tnttntattt gganccngcc 600
tttaagnaag nttaaaattn ncaatnttgg ggcttncttt tggccatgan naannttaat 660
nntannanna attnnntncn annnggcnng tnaannannn nnnanaaana annnttnnna 720
anaannactt tttnnnnnna cntggcgg 748

<210> 544
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

<400> 544
actttttttt ttttttttt ttttttttt ttttttttt ttggctctag aggggtaga 60
gggggtgcta tagggtaaat acgggcccta tttcaaagat ttttagggga attaattctg 120
ggacgatggg catgaaactg tggtttgctc cacagatttc anagcattga ccgtagtata 180
cccccggtcg tgtagcggtg aaagtggttt ggtttaaacg tccgggaatt gcatctgttt 240
ttaagcctaa tgtggggaca gctcatgagt gcaagacgtc ttgtgatgta attattatac 300
gaatgggggc ttnaatcggg agtacct 327